**Table S3**. **Correlation between Ct values for genes in the responsive gene set (RGS) and total Mayo scores, CRP, fecal calprotectin (mg/kg), and fecal IL-1(ng/kg).**  Ct valuesat weeks 0 and 4 are included in the analysis.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **MAYO SCORE** | **CRP** | **FECAL CALPROTECTIN** | **FECAL IL-1** |
| **Gene ID** | **p.value** | **r** | **p.value** | **r** | **p.value** | **r** | **p.value** | **r** |
| C4BPB.Hs00361221\_m1 | 0 | 0.649 | 0.061 | 0.262 | 0.001 | 0.426 | 0.335 | -0.133 |
| CSF2.Hs00171266\_m1 | 0 | 0.643 | 0.002 | 0.425 | 0.009 | 0.351 | 0.821 | -0.031 |
| CXCL1.Hs00236937\_m1 | 0 | 0.626 | 0.051 | 0.272 | 0.004 | 0.378 | 0.624 | -0.068 |
| CXCL2.Hs00236966\_m1 | 0 | 0.591 | 0.002 | 0.425 | 0.002 | 0.412 | 0.925 | -0.013 |
| DEFB4.Hs00823638\_m1 | 0 | 0.652 | 0.030 | 0.302 | 0.0002 | 0.486 | 0.149 | -0.197 |
| ICAM1.Hs99999152\_m1 | 0 | 0.614 | 0.165 | 0.195 | 0.040 | 0.277 | 0.878 |  0.021 |
| IL1A.Hs99999028\_m1 | 0 | 0.666 | 0.014 | 0.340 | 0.001 | 0.420 | 0.446 | -0.105 |
| IL1B.Hs99999029\_m1 | 0 | 0.610 | 0.014 | 0.338 | 0.002 | 0.407 | 0.590 |  0.074 |
| IL8.Hs99999034\_m1 | 0 | 0.650 | 0.045 | 0.280 | 0.0002 | 0.481 | 0.808 | -0.033 |
| IL8RB.Hs01011557\_m1 | 0 | 0.701 | 0.025 | 0.311 | 0.005 | 0.377 | 0.484 | -0.096 |
| ITGB6.Hs00168458\_m1 | 0 | 0.589 | 0.358 | 0.130 | 0.137 | 0.203 | 0.385 | -0.119 |
| MMP1.Hs00233958\_m1 | 0 | 0.655 | 0.233 | 0.168 | 0.010 | 0.344 | 0.764 |  0.041 |
| MMP3.Hs00233962\_m1 | 0 | 0.657 | 0.345 | 0.134 | 0.014 | 0.328 | 0.677 | -0.057 |
| NOS2.Hs00167257\_m1 | 0 | 0.645 | 0.031 | 0.300 | 0.002 | 0.404 | 0.482 | -0.097 |
| PLAU.Hs00170182\_m1 | 0 | 0.696 | 0.057 | 0.266 | 0.007 | 0.362 | 0.690 | -0.055 |
| PTGS2.Hs01573471\_m1 | 0 | 0.568 | 0.146 | 0.205 | 0.006 | 0.367 | 0.803 |  0.035 |
| S100A8.Hs00374263\_m1 | 0 | 0.680 | 0.001 | 0.454 | 0.00004 | 0.523 | 0.662 | -0.060 |
| SAA2.Hs00754237\_s1 | 0 | 0.629 | 0.057 | 0.266 | 0.001 | 0.418 | 0.155 | -0.194 |
| IL1R2.Hs01030389\_m1 | 2.00E-05 | -0.532 | 0.189 | -0.185 | 0.002 | -0.410 | 0.445 |  0.105 |
| IL2RA.Hs00907779\_m1 | 2.00E-05 | 0.535 | 0.034 | 0.295 | 0.143 | 0.200 | 0.576 |  0.077 |
| IL17A.Hs00936345\_m1 | 6.00E-05 | 0.508 | 0.039 | 0.287 | 0.083 | 0.236 | 0.493 | -0.094 |
| IFITM1.Hs01652522\_g1 | 8.00E-05 | 0.503 | 0.201 | 0.180 | 0.007 | 0.357 | 0.828 |  0.030 |
| IL23A.Hs00372324\_m1 | 1.00E-04 | 0.496 | 0.321 | 0.140 | 0.134 | 0.205 | 0.179 | -0.184 |
| IRF1.Hs00971960\_m1 | 1.00E-04 | 0.496 | 0.026 | 0.308 | 0.001 | 0.438 | 0.068 | -0.248 |
| CXCL9.Hs00171065\_m1 | 2.00E-04 | 0.477 | 0.017 | 0.331 | 0.015 | 0.326 | 0.787 |  0.037 |
| LCN2.Hs00194353\_m1 | 0.0004 | 0.455 | 0.333 | 0.137 | 0.001 | 0.438 | 0.196 | -0.177 |
| CHPT1.Hs00220348\_m1 | 0.0006 | -0.443 | 0.448 | 0.108 | 0.188 | -0.180 | 0.110 | -0.218 |
| LPCAT1.Hs00227357\_m1 | 0.0010 | 0.430 | 0.679 | 0.059 | 0.005 | 0.370 | 0.084 | -0.235 |
| CXCL5.Hs00171085\_m1 | 0.0014 | 0.418 | 0.483 | 0.099 | 0.009 | 0.351 | 0.456 |  0.103 |
| HRH4.Hs01010880\_m1 | 0.0018 | 0.408 | 0.156 | 0.199 | 0.012 | 0.337 | 0.592 | -0.074 |
| STAT1.Hs01014002\_m1 | 0.0025 | 0.396 | 0.104 | 0.228 | 0.024 | 0.304 | 0.711 |  0.051 |
| ADAM9.Hs00177638\_m1 | 0.0038 | 0.380 | 0.948 | 0.009 | 0.013 | 0.333 | 0.194 | -0.178 |
| PTAFR.Hs00265399\_s1 | 0.0077 | 0.353 | 0.309 | 0.144 | 0.425 | 0.110 | 0.310 |  0.140 |
| PLA2G7.Hs00173726\_m1 | 0.0130 | 0.330 | 0.070 | 0.253 | 0.261 | 0.154 | 0.523 |  0.088 |
| IGKV1.5.IGKC.Hs00736177\_m1 | 0.0227 | 0.304 | 0.884 | -0.021 | 0.252 | 0.157 | 0.470 |  0.099 |
| ITGB2.Hs00164957\_m1 | 0.0295 | 0.291 | 0.403 | 0.119 | 0.827 | 0.030 | 0.291 |  0.145 |
| STAT3.Hs01047580\_m1 | 0.0331 | 0.285 | 0.256 | 0.160 | 0.059 | 0.256 | 0.201 | -0.175 |
| IL18.Hs99999040\_m1 | 0.0422 | 0.273 | 0.328 | 0.138 | 0.005 | 0.375 | 0.200 | -0.176 |
| TFF1.Hs00907239\_m1 | 0.0956 | 0.225 | 0.292 | 0.149 | 0.139 | 0.202 | 0.115 | -0.215 |
| CEACAM1.Hs00989783\_m1 | 0.3722 | 0.122 | 0.469 | -0.103 | 0.428 | 0.109 | 0.920 |  0.014 |
| HLA.C.Hs03044135\_m1 | 0.4155 | 0.111 | 0.152 | -0.201 | 0.037 | 0.281 | 0.082 | -0.237 |
| S100P.Hs00195584\_m1 | 0.6652 | 0.059 | 0.085 | 0.241 | 0.135 | 0.204 | 0.099 | -0.225 |
| CD1D.Hs00939888\_m1 | 0.6735 | 0.058 | 0.578 | 0.079 | 0.646 | 0.063 | 0.543 | -0.084 |