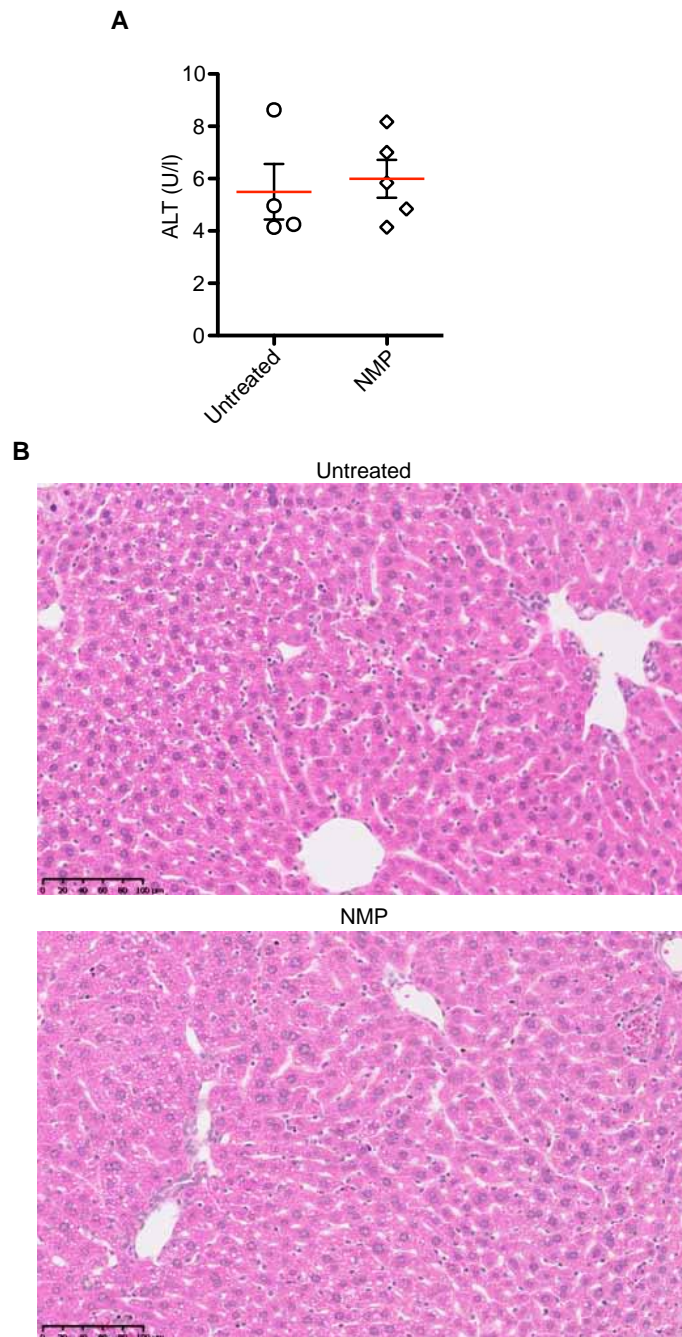


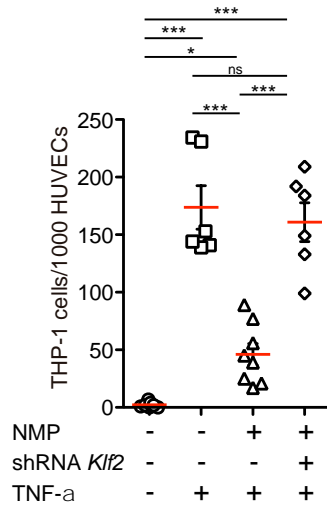
The pharmaceutical solvent N-methyl-2-pyrrolidone (NMP) attenuates inflammation through Krüppel-like factor 2 activation to reduce atherogenesis

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SUPPLEMENTARY FIGURES



Supplementary Figure 1. NMP is a bioactive compound safe and well-tolerated *in vivo*. (A) Serum alanine aminotransferase (ALT) was measured from blood samples 24 hours after NMP or saline administration. (B) Representative microphotographs of the liver sections from treated and untreated NMP mice maintained on HFD for 12 weeks. Hematoxylin and eosin staining; x20 magnification.



Supplementary Figure 2. KLF2 inhibition abolished NMP protective effect and increases monocyte adhesion to HUVECs. HUVEC monolayers were pre-incubated with TNF- α (2.5 ng/ml) and NMP (1mM) prior to exposure to monocytes for 30 min. The ratio of firmly adherent THP-1 cells to HUVECs was measured by flow cytometry. Monocyte binding is expressed as the ratio of THP-1 cells bound per 1000 HUVECs (mean \pm SEM. ***p<0.001 by one-way ANOVA with Bonferroni's multiple comparison test (n = 3), TNF- α treated with NMP compared with TNF- α untreated cells with or without KLF2 knockdown).

SUPPLEMENTARY TABLE 1

| Gene/Target | Primer | Sequence (5'-3') |
|--------------------|---------------|--------------------------|
| <i>Klf2</i> | Fwd | TTTGCCACTTTTCGCCAGC |
| | Rev | GGCTCGGGAGGATTCTCG |
| <i>Gadph</i> | Fwd | TTGATGGCAACAATCTCCAC |
| | Rev | CGTCCCGTAGACAAAATGGT |
| <i>18S rRNA</i> | Fwd | AACCCGTTGAACCCATT |
| | Rev | CCATCCAATCGGTAGTAGCG |
| <i>Vcam1</i> | Fwd | GGACGATTCCGGCATTATGTG |
| | Rev | AATGACGGTGTCTCCCTCTTTG |
| <i>Cxcl12</i> | Fwd | TGCATCAGTGACGGTAAACCA |
| | Rev | TTCTTCAGCCGTGCAACAATC |
| <i>KLF2</i> | Fwd | GCAAGACCTACACCAAGAGTTCCG |
| | Rev | CATGTGCCGTTTCATGTGC |
| <i>GADPH</i> | Fwd | GCCTCCCGCTTCGCTCTCTG |
| | Rev | CGTTGACTCCGACCTTCACCTTCC |

SUPPLEMENTARY TABLE 2

| Fold Change Log Ratio | | p-value | ID | Symbol |
|-----------------------|-------|----------|--------------------|------------------------|
| 18.614 | 4.218 | 1.01E-03 | ENSMUSG00000073830 | Mup1 (includes others) |
| 15.399 | 3.945 | 1.44E-04 | ENSMUSG00000029368 | ALB |
| 14.539 | 3.862 | 7.94E-05 | ENSMUSG00000041616 | NPPA |
| 14.373 | 3.845 | 4.56E-04 | ENSMUSG00000005681 | APOA2 |
| 12.635 | 3.659 | 4.65E-11 | ENSMUSG00000073876 | IL11RA |
| 10.892 | 3.445 | 2.50E-04 | ENSMUSG00000091345 | COL6A5 |
| 10.080 | 3.333 | 8.90E-08 | ENSMUSG00000027832 | PTX3 |
| 8.769 | 3.132 | 1.20E-03 | ENSMUSG00000024558 | MAPK4 |
| 8.639 | 3.111 | 9.59E-03 | ENSMUSG00000042045 | SLN |
| 8.323 | 3.057 | 1.70E-02 | ENSMUSG00000079015 | SERPINA1 |
| 7.657 | 2.937 | 1.08E-06 | ENSMUSG00000095348 | LOC102637312 |
| 6.811 | 2.768 | 3.56E-03 | ENSMUSG00000057068 | FAM47E |
| 6.751 | 2.755 | 1.10E-04 | ENSMUSG00000070645 | REN |
| 6.728 | 2.750 | 5.31E-03 | ENSMUSG00000001670 | TAT |
| 6.343 | 2.665 | 3.45E-03 | ENSMUSG00000031344 | GABRQ |
| 6.217 | 2.636 | 3.90E-03 | ENSMUSG00000020469 | MYL7 |
| 5.774 | 2.530 | 2.60E-02 | ENSMUSG00000018893 | MB |
| 5.475 | 2.453 | 2.13E-03 | ENSMUSG00000068614 | ACTC1 |
| 5.395 | 2.432 | 5.61E-03 | ENSMUSG00000079012 | SERPINA3 |
| 5.105 | 2.352 | 3.30E-02 | ENSMUSG00000091898 | TNNC1 |
| 4.962 | 2.311 | 4.24E-14 | ENSMUSG00000028989 | ANGPTL7 |
| 4.846 | 2.277 | 6.49E-03 | ENSMUSG00000051747 | TTN |
| 4.635 | 2.213 | 1.77E-02 | ENSMUSG00000034755 | PCDH11X |
| 4.442 | 2.151 | 2.46E-04 | ENSMUSG00000047963 | STBD1 |
| 4.287 | 2.100 | 3.88E-06 | ENSMUSG00000002565 | SCIN |
| 4.143 | 2.051 | 3.02E-02 | ENSMUSG00000060962 | DMKN |
| 3.867 | 1.951 | 3.64E-02 | ENSMUSG00000035458 | TNNI3 |
| 3.714 | 1.893 | 5.00E-04 | ENSMUSG00000031340 | Gabre |
| 3.608 | 1.851 | 3.22E-02 | ENSMUSG00000061086 | MYL4 |
| 3.481 | 1.800 | 1.24E-05 | ENSMUSG00000025934 | GSTA3 |
| 3.435 | 1.780 | 5.58E-03 | ENSMUSG00000043613 | MMP3 |
| 3.335 | 1.738 | 1.86E-02 | ENSMUSG00000031210 | Gpr165 |
| 3.303 | 1.724 | 7.74E-07 | ENSMUSG00000033453 | ADAMTS15 |
| 3.252 | 1.702 | 1.72E-02 | ENSMUSG00000004791 | PGF |
| 3.131 | 1.646 | 1.73E-03 | ENSMUSG00000074676 | FOXS1 |
| 3.128 | 1.645 | 2.05E-03 | ENSMUSG00000049511 | HTR1B |
| 3.119 | 1.641 | 1.24E-06 | ENSMUSG00000055116 | ARNTL |
| 3.104 | 1.634 | 1.32E-02 | ENSMUSG00000085730 | Gm3893 |
| 3.088 | 1.627 | 3.28E-02 | ENSMUSG00000003665 | HAS1 |
| 3.037 | 1.602 | 2.17E-03 | ENSMUSG00000052374 | ACTN2 |
| 3.014 | 1.592 | 1.84E-02 | ENSMUSG00000006014 | Prg4 |
| 2.958 | 1.565 | 8.62E-04 | ENSMUSG00000061878 | SPHK1 |
| 2.953 | 1.562 | 4.61E-02 | ENSMUSG00000036885 | ARHGEF26 |
| 2.925 | 1.548 | 1.50E-06 | ENSMUSG00000023067 | CDKN1A |
| 2.923 | 1.547 | 3.59E-02 | ENSMUSG00000004814 | CCL24 |
| 2.846 | 1.509 | 5.34E-06 | ENSMUSG00000020684 | RASL10B |
| 2.777 | 1.474 | 1.27E-04 | ENSMUSG00000031765 | Mt1 |
| 2.736 | 1.452 | 2.81E-04 | ENSMUSG00000031762 | Mt2 |
| 2.731 | 1.450 | 2.81E-04 | ENSMUSG00000054203 | IFI16 |
| 2.694 | 1.430 | 2.16E-02 | ENSMUSG00000027360 | HDC |
| 2.636 | 1.399 | 7.01E-03 | ENSMUSG00000024039 | CBS/LOC102724560 |
| 2.592 | 1.374 | 2.76E-05 | ENSMUSG00000003452 | BICD1 |
| 2.565 | 1.359 | 2.61E-02 | ENSMUSG00000038583 | Pln |
| 2.539 | 1.344 | 2.41E-02 | ENSMUSG00000053897 | SLC39A8 |

| | | | | |
|--------|--------|----------|--------------------|-------------------------|
| 2.486 | 1.314 | 2.04E-03 | ENSMUSG00000029321 | SLC10A6 |
| 2.482 | 1.312 | 2.00E-02 | ENSMUSG00000026070 | IL18R1 |
| 2.478 | 1.309 | 8.62E-04 | ENSMUSG00000004951 | HSPB1 |
| 2.345 | 1.230 | 4.54E-04 | ENSMUSG00000022853 | EHHADH |
| 2.321 | 1.215 | 3.50E-03 | ENSMUSG00000030089 | SLC41A3 |
| 2.321 | 1.215 | 4.89E-04 | ENSMUSG00000030317 | TIMP4 |
| 2.316 | 1.212 | 2.44E-03 | ENSMUSG00000024222 | FKBP5 |
| 2.290 | 1.195 | 3.59E-02 | ENSMUSG00000019996 | MAP7 |
| 2.289 | 1.195 | 4.17E-03 | ENSMUSG00000026414 | TNNT2 |
| 2.286 | 1.193 | 1.58E-02 | ENSMUSG00000029641 | RASL11A |
| 2.279 | 1.188 | 5.41E-04 | ENSMUSG00000037362 | NOV |
| 2.277 | 1.187 | 2.15E-02 | ENSMUSG00000030790 | ADM |
| 2.246 | 1.167 | 3.14E-03 | ENSMUSG00000063142 | KCNMA1 |
| 2.240 | 1.163 | 2.48E-02 | ENSMUSG00000041949 | TANGO6 |
| 2.229 | 1.156 | 1.10E-04 | ENSMUSG00000020122 | EGFR |
| 2.203 | 1.139 | 1.78E-03 | ENSMUSG00000030022 | ADAMTS9 |
| 2.190 | 1.131 | 2.56E-04 | ENSMUSG00000032350 | GCLC |
| 2.186 | 1.128 | 2.09E-03 | ENSMUSG00000005514 | POR |
| 2.184 | 1.127 | 4.37E-02 | ENSMUSG00000046694 | FAM46B |
| 2.175 | 1.121 | 2.81E-03 | ENSMUSG00000027074 | SLC43A3 |
| 2.172 | 1.119 | 3.14E-03 | ENSMUSG00000044548 | DACT1 |
| 2.169 | 1.117 | 2.81E-04 | ENSMUSG00000039701 | USP53 |
| 2.153 | 1.106 | 1.24E-03 | ENSMUSG00000078190 | Dnm3os |
| 2.143 | 1.100 | 1.52E-03 | ENSMUSG00000056749 | NFIL3 |
| 2.135 | 1.094 | 3.37E-04 | ENSMUSG00000091542 | CCL27 |
| 2.126 | 1.088 | 5.45E-03 | ENSMUSG00000020542 | MYOCD |
| 2.119 | 1.083 | 4.75E-03 | ENSMUSG00000036181 | HIST1H1C |
| 2.116 | 1.082 | 4.46E-03 | ENSMUSG00000029821 | DFNA5 |
| 2.088 | 1.062 | 4.76E-03 | ENSMUSG00000022094 | SLC39A14 |
| 2.086 | 1.060 | 5.52E-04 | ENSMUSG00000028862 | MAP3K6 |
| 2.070 | 1.050 | 2.25E-03 | ENSMUSG00000020108 | DDIT4 |
| 2.069 | 1.049 | 2.56E-03 | ENSMUSG00000018566 | SLC2A4 |
| 2.068 | 1.049 | 1.45E-03 | ENSMUSG00000050666 | VSTM4 |
| 2.046 | 1.033 | 3.17E-02 | ENSMUSG00000026077 | NPAS2 |
| 2.044 | 1.031 | 3.94E-03 | ENSMUSG00000021750 | FAM107A |
| 2.022 | 1.016 | 1.39E-02 | ENSMUSG00000071005 | CCL19 |
| 2.009 | 1.007 | 1.85E-03 | ENSMUSG00000052430 | BMPR1B |
| -2.002 | -1.001 | 2.88E-02 | ENSMUSG00000053158 | FES |
| -2.004 | -1.003 | 5.38E-03 | ENSMUSG00000032786 | ALAS1 |
| -2.005 | -1.004 | 4.77E-03 | ENSMUSG00000036622 | ATP13A2 |
| -2.013 | -1.010 | 1.12E-02 | ENSMUSG00000026582 | SELE |
| -2.018 | -1.013 | 3.27E-02 | ENSMUSG00000028599 | TNFRSF1B |
| -2.018 | -1.013 | 7.87E-03 | ENSMUSG00000021003 | GALC |
| -2.022 | -1.015 | 1.22E-02 | ENSMUSG00000024781 | LIPA |
| -2.023 | -1.016 | 1.64E-02 | ENSMUSG00000025804 | CCR1 |
| -2.025 | -1.018 | 2.17E-02 | ENSMUSG00000022831 | HCLS1 |
| -2.027 | -1.019 | 1.63E-02 | ENSMUSG00000004207 | PSAP |
| -2.028 | -1.020 | 1.36E-03 | ENSMUSG00000032698 | LMO2 |
| -2.028 | -1.020 | 1.54E-02 | ENSMUSG00000024621 | CSF1R |
| -2.031 | -1.022 | 1.86E-02 | ENSMUSG00000034957 | CEBPA |
| -2.031 | -1.022 | 3.71E-03 | ENSMUSG00000048758 | Rpl29 (includes others) |
| -2.032 | -1.023 | 6.76E-03 | ENSMUSG00000049103 | CCR2 |
| -2.039 | -1.028 | 4.79E-02 | ENSMUSG00000026832 | CYTIP |
| -2.046 | -1.033 | 2.74E-02 | ENSMUSG00000040747 | CD53 |
| -2.054 | -1.038 | 3.17E-02 | ENSMUSG00000024677 | Ms4a6b |
| -2.069 | -1.049 | 1.28E-02 | ENSMUSG00000007891 | CTSD |
| -2.073 | -1.052 | 2.10E-02 | ENSMUSG00000024679 | MS4A6A |
| -2.075 | -1.053 | 1.13E-02 | ENSMUSG00000031827 | COTL1 |
| -2.086 | -1.061 | 5.66E-03 | ENSMUSG00000034947 | TMEM106A |
| -2.087 | -1.061 | 4.20E-02 | ENSMUSG00000020340 | CYFIP2 |

| | | | | |
|--------|--------|----------|--------------------|----------|
| -2.096 | -1.068 | 1.44E-02 | ENSMUSG00000026638 | IRF6 |
| -2.097 | -1.068 | 1.87E-02 | ENSMUSG00000028312 | SMC2 |
| -2.099 | -1.070 | 6.75E-03 | ENSMUSG00000003363 | PLD3 |
| -2.103 | -1.073 | 5.33E-03 | ENSMUSG00000030256 | Bhlhe41 |
| -2.103 | -1.073 | 6.06E-03 | ENSMUSG00000041362 | KIAA1598 |
| -2.105 | -1.074 | 1.61E-02 | ENSMUSG00000042129 | RASSF4 |
| -2.107 | -1.075 | 4.31E-02 | ENSMUSG00000029915 | CLEC5A |
| -2.110 | -1.077 | 1.38E-02 | ENSMUSG00000034613 | PPM1H |
| -2.112 | -1.079 | 1.69E-03 | ENSMUSG00000073599 | ECSCR |
| -2.115 | -1.081 | 3.38E-02 | ENSMUSG00000018774 | CD68 |
| -2.121 | -1.085 | 1.28E-02 | ENSMUSG00000042228 | LYN |
| -2.127 | -1.089 | 4.09E-03 | ENSMUSG00000039062 | ANPEP |
| -2.129 | -1.090 | 1.79E-03 | ENSMUSG00000027513 | PCK1 |
| -2.132 | -1.092 | 1.39E-02 | ENSMUSG00000027322 | SIGLEC1 |
| -2.132 | -1.092 | 4.86E-04 | ENSMUSG00000022797 | TFRC |
| -2.142 | -1.099 | 6.49E-03 | ENSMUSG00000026104 | STAT1 |
| -2.143 | -1.100 | 3.50E-03 | ENSMUSG00000033685 | UCP2 |
| -2.144 | -1.101 | 1.90E-02 | ENSMUSG00000030786 | ITGAM |
| -2.144 | -1.100 | 6.35E-03 | ENSMUSG00000025969 | NRP2 |
| -2.147 | -1.102 | 4.10E-02 | ENSMUSG00000030774 | PAK1 |
| -2.149 | -1.104 | 9.41E-03 | ENSMUSG00000058818 | LILRB3 |
| -2.152 | -1.106 | 3.94E-02 | ENSMUSG00000038910 | PLCL2 |
| -2.154 | -1.107 | 3.46E-02 | ENSMUSG00000037443 | CEP85 |
| -2.165 | -1.114 | 6.87E-03 | ENSMUSG00000026656 | FCGR2B |
| -2.167 | -1.116 | 1.73E-02 | ENSMUSG00000058715 | FCER1G |
| -2.171 | -1.118 | 2.90E-03 | ENSMUSG00000018008 | CYTH4 |
| -2.171 | -1.118 | 3.94E-02 | ENSMUSG00000052776 | OAS1 |
| -2.173 | -1.120 | 1.16E-02 | ENSMUSG00000025355 | MMP19 |
| -2.176 | -1.122 | 1.83E-02 | ENSMUSG00000001348 | Acp5 |
| -2.181 | -1.125 | 3.28E-02 | ENSMUSG00000029333 | RASGEF1B |
| -2.182 | -1.125 | 1.07E-02 | ENSMUSG00000024965 | FERMT3 |
| -2.184 | -1.127 | 1.41E-02 | ENSMUSG00000079419 | Ms4a6c |
| -2.187 | -1.129 | 7.03E-03 | ENSMUSG00000031266 | GLA |
| -2.188 | -1.130 | 3.94E-02 | ENSMUSG00000016496 | CD274 |
| -2.193 | -1.133 | 3.54E-02 | ENSMUSG00000018654 | IKZF1 |
| -2.193 | -1.133 | 6.17E-03 | ENSMUSG00000040552 | C3AR1 |
| -2.203 | -1.139 | 8.48E-03 | ENSMUSG00000026358 | RGS1 |
| -2.205 | -1.141 | 7.24E-03 | ENSMUSG00000043008 | KLHL6 |
| -2.206 | -1.142 | 1.99E-02 | ENSMUSG00000038178 | SLC43A2 |
| -2.207 | -1.142 | 2.45E-02 | ENSMUSG00000028031 | DKK2 |
| -2.218 | -1.150 | 1.83E-03 | ENSMUSG00000071713 | CSF2RB |
| -2.219 | -1.150 | 7.84E-03 | ENSMUSG00000030047 | ARHGAP25 |
| -2.219 | -1.150 | 8.44E-04 | ENSMUSG00000027962 | VCAM1 |
| -2.224 | -1.153 | 1.54E-02 | ENSMUSG00000022372 | SLA |
| -2.224 | -1.153 | 2.47E-03 | ENSMUSG00000010307 | TMEM86A |
| -2.226 | -1.154 | 1.88E-03 | ENSMUSG00000034854 | MFSD12 |
| -2.228 | -1.156 | 3.03E-02 | ENSMUSG00000087107 | A1662270 |
| -2.232 | -1.158 | 1.03E-03 | ENSMUSG00000048234 | RNF149 |
| -2.233 | -1.159 | 4.38E-03 | ENSMUSG00000048865 | ARHGAP30 |
| -2.236 | -1.161 | 6.87E-03 | ENSMUSG00000026480 | NCF2 |
| -2.249 | -1.169 | 1.67E-02 | ENSMUSG00000025888 | CASP1 |
| -2.249 | -1.169 | 7.99E-03 | ENSMUSG00000028874 | FGR |
| -2.250 | -1.170 | 8.15E-03 | ENSMUSG00000030579 | TYROBP |
| -2.251 | -1.171 | 1.69E-03 | ENSMUSG00000049866 | ARL4C |
| -2.255 | -1.173 | 1.22E-03 | ENSMUSG00000041261 | CA8 |
| -2.260 | -1.176 | 2.40E-02 | ENSMUSG00000031264 | BTK |
| -2.265 | -1.179 | 3.18E-04 | ENSMUSG00000021835 | BMP4 |
| -2.265 | -1.180 | 6.03E-03 | ENSMUSG00000062593 | LILRB4 |
| -2.268 | -1.182 | 1.95E-02 | ENSMUSG00000045382 | CXCR4 |
| -2.269 | -1.182 | 3.21E-04 | ENSMUSG00000028957 | PER3 |

| | | | | |
|--------|--------|----------|--------------------|-------------|
| -2.274 | -1.185 | 3.10E-02 | ENSMUSG00000042684 | NPL |
| -2.276 | -1.187 | 4.31E-02 | ENSMUSG00000037731 | THEMIS2 |
| -2.277 | -1.187 | 1.26E-02 | ENSMUSG00000028581 | LAPTM5 |
| -2.279 | -1.188 | 2.12E-02 | ENSMUSG00000063060 | SOX7 |
| -2.281 | -1.190 | 2.73E-04 | ENSMUSG00000022246 | RAI14 |
| -2.286 | -1.193 | 3.00E-03 | ENSMUSG00000091747 | D17H6S56E-5 |
| -2.288 | -1.194 | 4.76E-03 | ENSMUSG00000033777 | Tlr13 |
| -2.293 | -1.197 | 2.72E-03 | ENSMUSG00000036908 | UNC93B1 |
| -2.293 | -1.197 | 9.59E-03 | ENSMUSG00000033446 | LPAR6 |
| -2.297 | -1.200 | 2.15E-02 | ENSMUSG00000061132 | BLNK |
| -2.300 | -1.201 | 1.12E-02 | ENSMUSG00000026627 | TMEM206 |
| -2.302 | -1.203 | 1.06E-02 | ENSMUSG00000069792 | Wfdc17 |
| -2.306 | -1.205 | 2.05E-02 | ENSMUSG00000020437 | MYO1G |
| -2.307 | -1.206 | 3.50E-02 | ENSMUSG00000024986 | HHEX |
| -2.308 | -1.207 | 1.63E-02 | ENSMUSG00000032076 | CADM1 |
| -2.308 | -1.206 | 2.81E-04 | ENSMUSG00000064267 | HVCN1 |
| -2.312 | -1.209 | 7.87E-03 | ENSMUSG00000029816 | GPNUMB |
| -2.315 | -1.211 | 2.35E-03 | ENSMUSG00000003882 | IL7R |
| -2.322 | -1.215 | 3.28E-02 | ENSMUSG00000031004 | MKI67 |
| -2.325 | -1.217 | 1.10E-04 | ENSMUSG00000007877 | TCAP |
| -2.326 | -1.218 | 4.89E-04 | ENSMUSG00000029919 | HPGDS |
| -2.329 | -1.220 | 1.11E-02 | ENSMUSG00000030747 | DGAT2 |
| -2.329 | -1.220 | 4.10E-02 | ENSMUSG00000031558 | SLIT2 |
| -2.331 | -1.221 | 1.12E-02 | ENSMUSG00000043157 | ARL11 |
| -2.335 | -1.223 | 5.01E-03 | ENSMUSG00000028327 | Stra6l |
| -2.350 | -1.233 | 5.50E-03 | ENSMUSG00000034652 | CD300A |
| -2.354 | -1.235 | 1.27E-03 | ENSMUSG00000059498 | FCGR2A |
| -2.355 | -1.236 | 1.01E-02 | ENSMUSG00000021423 | LY86 |
| -2.356 | -1.236 | 8.68E-03 | ENSMUSG00000031438 | RNF128 |
| -2.365 | -1.242 | 8.88E-03 | ENSMUSG00000045763 | BASP1 |
| -2.367 | -1.243 | 5.66E-03 | ENSMUSG00000015950 | NCF1 |
| -2.368 | -1.244 | 2.81E-03 | ENSMUSG00000037902 | SIRPA |
| -2.369 | -1.245 | 1.13E-02 | ENSMUSG00000022667 | CD200R1 |
| -2.375 | -1.248 | 5.00E-04 | ENSMUSG00000017754 | PLTP |
| -2.382 | -1.252 | 4.05E-03 | ENSMUSG00000055782 | ABC2 |
| -2.390 | -1.257 | 1.15E-02 | ENSMUSG00000033220 | RAC2 |
| -2.391 | -1.257 | 1.59E-02 | ENSMUSG00000000290 | ITGB2 |
| -2.396 | -1.261 | 6.76E-03 | ENSMUSG00000032322 | PSTPIP1 |
| -2.399 | -1.262 | 2.79E-03 | ENSMUSG00000039621 | PREX1 |
| -2.403 | -1.265 | 1.01E-03 | ENSMUSG00000001128 | CFP |
| -2.404 | -1.266 | 3.85E-03 | ENSMUSG00000030789 | ITGAX |
| -2.412 | -1.271 | 2.39E-02 | ENSMUSG00000023349 | CLEC6A |
| -2.415 | -1.272 | 1.09E-02 | ENSMUSG00000029925 | TBXAS1 |
| -2.415 | -1.272 | 1.46E-04 | ENSMUSG00000031548 | SFRP1 |
| -2.416 | -1.272 | 2.58E-03 | ENSMUSG00000036887 | C1QA |
| -2.416 | -1.273 | 9.81E-03 | ENSMUSG00000042759 | APOBR |
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| -2.467 | -1.303 | 9.97E-03 | ENSMUSG00000038642 | CTSS |
| -2.471 | -1.305 | 2.47E-03 | ENSMUSG00000041836 | PTPRE |
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| -2.708 | -1.437 | 1.45E-02 | ENSMUSG00000040345 | ARHGAP9 |
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| -2.723 | -1.445 | 1.46E-04 | ENSMUSG00000026395 | PTPRC |
| -2.728 | -1.448 | 1.96E-03 | ENSMUSG00000044350 | LACC1 |
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| -2.735 | -1.452 | 2.56E-03 | ENSMUSG00000045362 | Tnfrsf26 |
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| -2.774 | -1.472 | 8.77E-04 | ENSMUSG00000078606 | Gvin1 (includes others) |
| -2.783 | -1.476 | 5.31E-04 | ENSMUSG00000015947 | FCGR1A |
| -2.790 | -1.480 | 3.12E-04 | ENSMUSG00000038811 | GNGT2 |

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| -2.806 | -1.488 | 8.68E-03 | ENSMUSG00000043832 | Clec4a3 |
| -2.818 | -1.495 | 5.33E-03 | ENSMUSG00000039304 | TNFSF10 |
| -2.826 | -1.499 | 5.04E-04 | ENSMUSG00000028832 | STMN1 |
| -2.842 | -1.507 | 2.30E-05 | ENSMUSG00000052160 | PLD4 |
| -2.854 | -1.513 | 2.91E-02 | ENSMUSG00000052142 | RASAL3 |
| -2.886 | -1.529 | 1.31E-04 | ENSMUSG00000021451 | SEMA4D |
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| -2.955 | -1.563 | 2.27E-05 | ENSMUSG00000026981 | IL1RN |
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| -2.973 | -1.572 | 1.20E-03 | ENSMUSG00000054555 | ADAM12 |
| -2.998 | -1.584 | 1.91E-05 | ENSMUSG00000039004 | BMP6 |
| -3.003 | -1.586 | 1.97E-05 | ENSMUSG00000024300 | MYO1F |
| -3.009 | -1.589 | 2.70E-03 | ENSMUSG00000027199 | GATM |
| -3.017 | -1.593 | 1.20E-03 | ENSMUSG00000074151 | NLRC5 |
| -3.024 | -1.596 | 5.07E-03 | ENSMUSG00000023274 | CD4 |
| -3.026 | -1.597 | 3.51E-04 | ENSMUSG00000009185 | Ccl8 |
| -3.034 | -1.601 | 2.56E-04 | ENSMUSG00000031304 | IL2RG |
| -3.037 | -1.603 | 2.01E-05 | ENSMUSG00000021822 | PLAU |
| -3.043 | -1.606 | 3.62E-04 | ENSMUSG00000055541 | LAIR1 |
| -3.045 | -1.607 | 1.63E-02 | ENSMUSG00000051735 | RINL |
| -3.062 | -1.615 | 2.35E-02 | ENSMUSG00000047810 | CCDC88B |
| -3.092 | -1.628 | 1.02E-03 | ENSMUSG00000048163 | SELPLG |
| -3.104 | -1.634 | 2.66E-05 | ENSMUSG00000079227 | CCR5 |
| -3.111 | -1.637 | 7.71E-03 | ENSMUSG00000027399 | IL1A |
| -3.130 | -1.646 | 1.77E-03 | ENSMUSG00000039934 | GSAP |
| -3.130 | -1.646 | 3.66E-02 | ENSMUSG00000070691 | RUNX3 |
| -3.154 | -1.657 | 1.43E-02 | ENSMUSG00000071068 | TREML2 |
| -3.194 | -1.675 | 2.16E-03 | ENSMUSG00000022439 | PARVG |
| -3.205 | -1.680 | 2.00E-07 | ENSMUSG00000037411 | SERPINE1 |
| -3.205 | -1.680 | 9.06E-06 | ENSMUSG00000025877 | HK3 |
| -3.225 | -1.689 | 1.25E-07 | ENSMUSG00000021367 | EDN1 |
| -3.229 | -1.691 | 5.34E-06 | ENSMUSG00000018920 | CXCL16 |
| -3.249 | -1.700 | 2.19E-05 | ENSMUSG00000068196 | COL8A1 |
| -3.254 | -1.702 | 2.20E-04 | ENSMUSG00000079547 | HLA-DMB |
| -3.290 | -1.718 | 1.98E-02 | ENSMUSG00000002668 | DENND1C |
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| -3.317 | -1.730 | 8.92E-04 | ENSMUSG00000060550 | HLA-A |
| -3.323 | -1.733 | 2.67E-02 | ENSMUSG00000024675 | Ms4a4b |
| -3.324 | -1.733 | 2.05E-03 | ENSMUSG00000044827 | TLR1 |
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| -3.363 | -1.750 | 2.30E-04 | ENSMUSG00000057191 | C19orf38 |
| -3.373 | -1.754 | 2.78E-02 | ENSMUSG00000026228 | HTR2B |
| -3.387 | -1.760 | 4.89E-04 | ENSMUSG00000015340 | CYBB |
| -3.410 | -1.770 | 3.16E-02 | ENSMUSG00000018983 | E2F2 |
| -3.411 | -1.770 | 1.20E-03 | ENSMUSG00000037649 | HLA-DMA |
| -3.427 | -1.777 | 3.53E-02 | ENSMUSG00000073854 | AI427809 |
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| -3.492 | -1.804 | 7.94E-05 | ENSMUSG00000078945 | NAIP |
| -3.493 | -1.805 | 8.88E-04 | ENSMUSG00000021886 | GPR65 |
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| -3.977 | -1.992 | 1.52E-03 | ENSMUSG00000028459 | CD72 |
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| -3.993 | -1.997 | 1.61E-03 | ENSMUSG00000050578 | MMP13 |
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| -4.003 | -2.001 | 1.46E-02 | ENSMUSG00000096334 | SH2D1B |
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