Supplementary Table 2

List of genes with persistent H3K27ac modifications following HCV infection and DAA cure in humanized mice.

| ENSG          | Symbol       | logFC_HCV   | logFC_DAA   |
|---------------|--------------|-------------|-------------|
| ENSG00000213886 | UBD         | 2.08724541  | 1.775348632 |
| ENSG00000204681 | GABBR1      | 2.087243167 | 1.775348975 |
| ENSG00000268812 | RP1-102K2.8 | 1.705279309 | 1.282940371 |
| ENSG00000128342 | LIF         | 1.705278995 | 1.282938485 |
| ENSG00000260635 | RP11-21M24.3| 1.522592654 | 1.096039416 |
| ENSG00000162511 | LAPTM5      | 1.48119124  | 1.358612757 |
| ENSG00000220305 | HNRNPH1P1   | 1.436321361 | 0.876016406 |
| ENSG00000135477 | KRT121P     | 1.355022638 | 1.996884351 |
| ENSG00000100628 | ASB2        | 1.346867739 | 1.197956164 |
| ENSG00000228350 | RP11-148G20.1| 1.278313708 | 1.012616354 |
| ENSG00000257830 | RP11-845M18.7| 1.274079721 | 1.541566167 |
| ENSG00000257671 | RP3-416H24.1| 1.267640361 | 1.961827862 |
| ENSG00000050344 | NFE2L3      | 1.213345977 | 0.896005766 |
| ENSG000000135480 | KRT7        | 1.179168928 | 1.895385189 |
| ENSG00000170442 | KRT86       | 1.160704044 | 1.741246821 |
| ENSG00000237604 | AP001056.1  | 1.135230837 | 1.227228115 |
| ENSG00000172379 | ARNT2       | 1.089201226 | 0.988107735 |
| ENSG00000266100 | RP11-118E18.2| 1.088948509 | 0.867111223 |
| ENSG00000267078 | RP11-666A8.9| 1.0743787   | 1.312350769 |
| ENSG00000253616 | RP11-875O11.3| 1.053303924 | 0.837721126 |
| ENSG00000132274 | TRIM22      | 1.025810923 | 0.695725958 |
| ENSG00000271133 | CTA-293F17.1| 1.020076615 | 1.574573458 |
| ENSG00000105855 | ITGB8       | 1.020076549 | 1.574573123 |
| ENSG00000256873 | AL021977.1  | 0.982788454 | 0.920814075 |
| ENSG00000139445 | FOXN4       | 0.979381342 | 0.917250985 |
| ENSG00000088992 | TESC        | 0.978840575 | 0.825835063 |
| ENSG00000187144 | SPATA21     | 0.977688765 | 0.662091623 |
| ENSG00000160326 | SLC2A6      | 0.97725977  | 0.785084475 |
| ENSG00000224397 | RP11-290F20.3| 0.940623256 | 0.34564842 |
| ENSG00000232806 | AP001610.9  | 0.926997968 | 1.087179181 |
| ENSG00000171310 | CHST11      | 0.922934205 | 0.637819895 |
| ENSG00000090339 | ICAM1       | 0.918870688 | 0.776595 |
| ENSG00000235209 | CTA-150C2.13| 0.912230881 | 0.803210792 |
| ENSG00000166145 | SPINT1      | 0.911397349 | 1.200147802 |
| ENSG00000261183 | RP11-532F12.5| 0.911396803 | 1.200147475 |
| ENSG00000236751 | RP1-30G7.2  | 0.911071485 | 0.85462137 |
| ENSG00000263680 | RP11-57A1.1 | 0.906481986 | 0.721979642 |
| Gene ID               | Description    | Value1   | Value2   |
|----------------------|----------------|----------|----------|
| ENSG000001175356     | SCUBE2         | 0.873335861 | 0.911556014 |
| ENSG00000120162      | MOB3B          | 0.870338248 | 0.719048548 |
| ENSG00000167191      | GPRC5B         | 0.869940239 | 1.069808794 |
| ENSG00000223783      | AC124944.5     | 0.854639199 | 0.621244224 |
| ENSG00000165949      | IFIG27         | 0.840099731 | 0.798312177 |
| ENSG00000203971      | RP13-379L11.2  | 0.832763219 | 1.272706052 |
| ENSG00000136826      | IFI27          | 0.830834644 | 0.733521108 |
| ENSG00000203971      | AC124944.5     | 0.832763219 | 1.272706052 |
| ENSG00000174307      | PHLDA3         | 0.80816317  | 0.970167784 |
| ENSG00000174628      | IQCK           | 0.802769494 | 0.702891758 |
| ENSG000002267583      | RP11-322E11.5  | 0.797082004 | 0.478981723 |
| ENSG00000253519      | AC106801.1     | 0.789802932 | 0.686292415 |
| ENSG00000259370      | RP11-1069G10.1 | 0.782157711 | 0.733521108 |
| ENSG00000165105      | RASEF          | 0.77509163  | 0.784458202 |
| ENSG00000231842      | RP11-527F13.1  | 0.769753854 | 0.631567265 |
| ENSG00000146232      | NFKBIE         | 0.769467287 | 0.58832076 |
| ENSG00000225656       | RP5-858B6.1    | 0.761308125 | 0.754193847 |
| ENSG00000146832      | LYZ            | 0.761085551 | 1.039922171 |
| ENSG00000259727      | RP11-1069G10.2 | 0.754330647 | 0.867812579 |
| ENSG00000253490      | AC145110.1     | 0.754212161 | 0.413811432 |
| ENSG00000187678      | SPRY4          | 0.750243937 | 0.522395579 |
| ENSG00000138131      | LOXL4          | 0.740853517 | 0.696967964 |
| ENSG00000204583      | LRCOL1         | 0.732879471 | 0.612760114 |
| ENSG00000167767      | KRT80          | 0.725202614 | 0.883206718 |
| ENSG00000255202      | RP4-541C22.5   | 0.720770668 | 0.767556775 |
| ENSG00000184697      | CLDN6          | 0.707269631 | 0.415327631 |
| ENSG00000131652      | THOC6          | 0.707269243 | 0.415327644 |
| ENSG00000006327      | TNFRSF12A      | 0.707269218 | 0.41523811 |
| ENSG00000131645      | HCFC1R1        | 0.70726864  | 0.415237823 |
| ENSG00000273348      | RP11-535A5.1   | 0.706034111 | 0.766951206 |
| ENSG00000128805      | ARHGAP22       | 0.691644541 | 0.576776677 |
| ENSG00000228022      | HCG20          | 0.687015633 | 0.610665186 |
| ENSG00000253822      | IGLV3-24       | 0.683342649 | 0.612291402 |
| ENSG00000223999      | LL22NC03-102D1.1 | 0.68334255 | 0.612291369 |
| ENSG00000226101      | AC007461.2     | 0.678870961 | 0.631620575 |
| ENSG00000253771      | TPTE2P1        | 0.678360651 | 0.715561065 |
| ENSG00000265142      | NN7SL490P      | 0.667712302 | 0.659621945 |
| ENSG00000100218      | RTDR1          | 0.663402599 | 0.541118355 |
| ENSG00000008517      | IL32           | 0.654178969 | 0.351739554 |
| ENSG00000252561      | RNU1-125P      | 0.654178859 | 0.351739552 |
| ENSG00000235947      | EGO7           | 0.633782433 | 0.476759324 |
| ENSG00000268032      | CTB-52I2.4     | 0.631312752 | 0.565566697 |
| Gene ID         | Gene Symbol | Expression 1 | Expression 2 |
|----------------|-------------|--------------|--------------|
| ENSG00000248647 | RP11-331K21.1 | 0.62785003   | 0.53035776   |
| ENSG00000244932 | RP11-529F4.1 | 0.61953912   | 0.51611605   |
| ENSG000000223634 | AC012506.3 | 0.618013778 | 0.56501176   |
| ENSG000000124766 | SOX4        | 0.614078936  | 0.725648259  |
| ENSG000000139515 | PD1X1       | 0.612489047  | 0.867877644  |
| ENSG000000227036 | LINC00511   | 0.6124239    | 0.368971291  |
| ENSG000000114037 | CSF1        | 0.603899014  | 0.483664449  |
| ENSG000000175832 | ETV4        | 0.596264616  | 0.693069757  |
| ENSG000000134627 | PIWIL4      | 0.588549571  | 0.876245438  |
| ENSG000000255929 | RP11-867G2.8 | 0.585849899  | 0.876246977  |
| ENSG000000144959 | NCEH1       | 0.584887911  | 0.541488274  |
| ENSG000000130513 | GDF15       | 0.583823032  | 0.479621521  |
| ENSG000000248727 | CTC-236F12.4 | 0.582322473  | 0.549835294  |
| ENSG000000175505 | CLCF1       | 0.579795558  | 0.615183217  |
| ENSG000000163874 | ZC3H12A     | 0.57963972   | 0.399016315  |
| ENSG000000121634 | MIR1276     | 0.578918734  | 0.518397693  |
| ENSG000000259195 | RP11-158M2.6 | 0.578918572  | 0.518397695  |
| ENSG000000266978 | CTD-2369P2.5 | 0.578558429  | 0.460839941  |
| ENSG000000185565 | LSAMP       | 0.578018985  | 0.606234588  |
| ENSG000000249923 | XXbac-B444P24.8 | 0.577130545  | 0.565635847  |
| ENSG000000124762 | CDKN1A      | 0.573502435  | 0.464338666  |
| ENSG000000146386 | ABRACL      | 0.572631273  | 0.587798017  |
| ENSG000000253557 | RP11-1080G15.1 | 0.566436613  | 0.784628752  |
| ENSG000000254242 | RP11-1080G15.2 | 0.566432185  | 0.784636537  |
| ENSG000000129667 | RHBD2F2     | 0.555048813  | 0.459653224  |
| ENSG000000137312 | FLOT1       | 0.554292194  | 0.451921417  |
| ENSG000000137331 | IER3        | 0.554287374  | 0.451917168  |
| ENSG000000272273 | XXbac-BPG252P9.1 | 0.554283327  | 0.451911366  |
| ENSG000000128298 | BAIAP2L2    | 0.553222746  | 0.362361391  |
| ENSG000000264508 | RN7SL473P   | 0.53546588   | 0.433237349  |
| ENSG000000264548 | RN7SL600P   | 0.535464642  | 0.433237264  |
| ENSG000000261115 | TMEM178B    | 0.535046812  | 0.594724928  |
| ENSG000000197461 | PDGFA       | 0.530988071  | 0.391005388  |
| ENSG000000236499 | LINC00896   | 0.529918881  | 0.570030975  |
| ENSG000000261680 | RP11-146F11.3 | 0.524941637  | 0.475558438  |
| ENSG000000103544 | C16orf62    | 0.519506341  | 0.544183819  |
| ENSG000000105643 | ARRDC2      | 0.519263132  | 0.432292845  |
| ENSG000000167703 | SLC43A2     | 0.518293439  | 0.659236108  |
| ENSG000000251474 | RPL32P3     | 0.515752451  | 0.437788028  |
| ENSG000000187783 | TMEM72      | 0.512634236  | 0.51686185   |
| Gene         | Symbol | FC   | p-value         |
|-------------|--------|------|-----------------|
| ENSG00000198792 | TMEM184B | 0.512494356 | 0.523877562     |
| ENSG00000162896 | PIGR   | 0.510193544 | 0.412764323     |
| ENSG00000151532 | VTI1A  | 0.507069214 | 0.35273554      |
| ENSG00000157111 | TMEM171 | 0.504705228 | 0.428676536     |
| ENSG00000119283 | TRIM67 | 0.50361621  | 0.440013158     |
| ENSG00000107438 | PDLIM1 | 0.49813458  | 0.342268228     |
| ENSG00000109906 | ZBTB16 | 0.496787771 | 1.063972741     |
| ENSG00000181467 | RAP2B  | 0.492888391 | 0.320817269     |
| ENSG00000244268 | RPI1-529G21.2 | 0.492887648 | 0.320817121     |
| ENSG00000207088 | FSTL3  | 0.486015094 | 0.754789966     |
| ENSG00000162897 | FCAMR  | 0.485678619 | 0.318396776     |
| ENSG00000176463 | SLCO3A1 | 0.483732643 | 0.409556793     |
| ENSG00000003249 | DBNDD1 | 0.482100146 | 0.506150852     |
| ENSG00000070404 | FSTL3  | 0.480661914 | 0.404308791     |
| ENSG00000162522 | KIAA1522| 0.459632149 | 0.41212175      |
| ENSG00000124224 | PPP4R1L | 0.454617756 | 0.473385544     |
| ENSG00000267913 | AP001055.1 | 0.47655766  | 0.434389128     |
| ENSG00000254087 | LYN    | 0.476213707 | 0.388043072     |
| ENSG00000254786 | RPI1-142C4.5 | 0.46650417 | 0.41996723      |
| ENSG00000163075 | PCDP1  | 0.464105027 | 0.491089034     |
| ENSG00000184602 | SNN    | 0.462602408 | 0.311683111     |
| ENSG00000162522 | KIAA1522| 0.459632149 | 0.276672587     |
| ENSG00000259202 | RPI1-65J3.1 | 0.478317882 | 0.446093843     |
| ENSG00000267913 | AP001055.1 | 0.47655766  | 0.434389128     |
| ENSG00000135373 | EHF    | 0.4485064  | 0.511367131     |
| ENSG00000186854 | TRABD2A| 0.448281147 | 0.523135864     |
| ENSG00000135373 | EHF    | 0.4485064  | 0.511367131     |
| ENSG00000163075 | PCDP1  | 0.464105027 | 0.491089034     |
| ENSG00000163075 | PCDP1  | 0.464105027 | 0.491089034     |
| ENSG00000184602 | SNN    | 0.462602408 | 0.311683111     |
| ENSG00000162522 | KIAA1522| 0.459632149 | 0.276672587     |
| ENSG00000259202 | RPI1-65J3.1 | 0.478317882 | 0.446093843     |
| ENSG00000267913 | AP001055.1 | 0.47655766  | 0.434389128     |
| ENSG00000135373 | EHF    | 0.4485064  | 0.511367131     |
| ENSG00000186854 | TRABD2A| 0.448281147 | 0.523135864     |
| ENSG00000135373 | EHF    | 0.4485064  | 0.511367131     |
| Gene ID     | Symbol | T1 Score | T2 Score |
|------------|--------|----------|----------|
| ENSG00000067221 | STOML1 | 0.379177725 | 0.426645669 |
| ENSG00000108753 | HNF1B | 0.375968711 | 0.404679469 |
| ENSG00000107882 | SUFU | 0.375247182 | 0.288670671 |
| ENSG00000237686 | RP5-1120P11.1 | 0.369641273 | 0.498984773 |
| ENSG00000236559 | RP11-243J16.7 | 0.367786396 | 0.266394902 |
| ENSG00000198053 | SIRPA | 0.367136029 | 0.288477104 |
| ENSG00000257950 | KLHL25 | 0.365934403 | 0.301063118 |
| ENSG00000268457 | AL160175.1 | 0.363212567 | 0.283096168 |
| ENSG00000142002 | DPP9 | 0.359576386 | 0.410567986 |
| ENSG00000257545 | RP11-144F15.1 | 0.355851178 | 0.361481597 |
| ENSG00000270705 | RP11-736N17.9 | 0.353141593 | 0.456958838 |
| ENSG00000263510 | MIR4497 | 0.352317345 | 0.320576312 |
| ENSG00000254109 | RBPMS-AS1 | 0.351121414 | 0.477665944 |
| ENSG00000251152 | BCL2L1 | 0.341890733 | 0.378295543 |
| ENSG00000100105 | PATZ1 | 0.338739236 | 0.315685264 |
| ENSG00000227066 | RP3-340N1.2 | 0.338953967 | 0.409347707 |
| ENSG00000233276 | GPX1 | 0.327180531 | 0.245369816 |
| ENSG00000214290 | COLCA1 | 0.321120936 | 0.416352694 |
| ENSG00000196167 | RAP2C | 0.317363492 | 0.433906681 |
| ENSG00000255689 | RP11-136I4.5 | 0.317280917 | 0.271513352 |
| ENSG00000109436 | RP5-1120P11.1 | 0.315371782 | 0.416352694 |
| ENSG00000119771 | KLHL29 | 0.317280917 | 0.271513352 |
| ENSG00000132879 | FBXO44 | 0.317280917 | 0.271513352 |
| ENSG00000126602 | TRAP1 | 0.305296442 | 0.300190819 |
| ENSG00000243455 | RPS18P13 | 0.304709961 | 0.369234606 |
| ENSG00000227117 | CTA-85E5.10 | 0.296481959 | 0.364603187 |
| ENSG00000185753 | C1orf38 | 0.295503191 | 0.357131132 |
| ENSG00000203804 | ADAMTS14-AS1 | 0.292639281 | 0.320661024 |
| ENSG00000173210 | ABLIM3 | 0.292639281 | 0.320661024 |
| ENSG00000166900 | STX3 | 0.2925217 | 0.448948331 |
| ENSG00000153944 | MSI2 | 0.289416187 | 0.383133356 |
| ENSG00000224950 | RP5-1086K13.1 | 0.28535494 | 0.310398173 |
| ENSG00000123728 | RAP2C | 0.254335972 | 0.286309311 |
| ENSG00000268480 | CTD-2586B10.1 | 0.234147668 | 0.281817165 |
| ENSG00000102978 | POLR2C | 0.233073193 | 0.4386346 |
| ENSG00000196975 | ANXA4 | 0.216281203 | 0.215527125 |
| Gene          | Symbol | log2 (fold change) | p-value     |
|--------------|--------|--------------------|-------------|
| DOK4         |        | 0.20934205         | 0.383199831 |
| EPB41        |        | -0.225793509       | -0.255991432|
| AP001059.5   |        | -0.232489932       | -0.332816471|
| ICOSLG       |        | -0.232490412       | -0.332816571|
| DNMT3L       |        | -0.232490804       | -0.332816755|
| snoU13       |        | -0.236442083       | -0.23350892 |
| GLT1D1       |        | -0.245327266       | -0.366875134|
| OSBPL6       |        | -0.252486133       | -0.323529927|
| SLC29A3      |        | -0.270503538       | -0.421915266|
| MIR146B      |        | -0.282977919       | -0.371880905|
| SH3BP2       |        | -0.299016663       | -0.342466286|
| HCG9P5       |        | -0.30485753        | -0.332206353|
| HLA-F-AS1    |        | -0.304857759       | -0.332206029|
| Y_RNA        |        | -0.304857897       | -0.332208825|
| MICE         |        | -0.304861161       | -0.332205172|
| IYD          |        | -0.312633615       | -0.287768878|
| RP11-468E2.6 |        | -0.313248984       | -0.397661158|
| FITM1        |        | -0.31325023        | -0.397671186|
| APEH         |        | -0.319627426       | -0.372386783|
| RP4-594I10.3 |        | -0.320391757       | -0.292542631|
| ITGB9        |        | -0.320655158       | -0.406193349|
| LINC00311    |        | -0.321331658       | -0.432779309|
| KIF15        |        | -0.324658441       | -0.294990589|
| RP1-152L7.5  |        | -0.325331001       | -0.465500626|
| GALNT11      |        | -0.331670662       | -0.369706532|
| NR1D1        |        | -0.34686557        | -0.436176161|
| PEMT         |        | -0.357441618       | -0.324305429|
| SLC25A37     |        | -0.359397887       | -0.247148854|
| Y_RNA        |        | -0.364445697       | -0.339351943|
| ZBTB10       |        | -0.364446235       | -0.339351921|
| FDPS         |        | -0.37882819        | -0.42962161 |
| KIF1A        |        | -0.380858237       | -0.37515969|
| SORL1        |        | -0.388096334       | -0.244658975|
| PER3         |        | -0.392781712       | -0.50992149|
| PNP          |        | -0.395434295       | -0.28472822|
| MMAB         |        | -0.402059036       | -0.40560286|
| RP11-498C9.17|        | -0.402473262       | -0.448593634|
| PSAT1        |        | -0.404670377       | -0.444962476|
| BCSAS3       |        | -0.418507475       | -0.419009587|
| TEKT5        |        | -0.424678764       | -0.41219131|
| AC051642.1   |        | -0.426013413       | -0.36704072|
| SMO          |        | -0.427457182       | -0.419328986|
| Ensembl ID  | Symbol    | gene1  | gene2  |
|------------|-----------|--------|--------|
| ENSG00000229356 | LRRC3-AS1 | -0.436079635 | -0.476796384 |
| ENSG00000160233 | LRRC3 | -0.436080416 | -0.476796964 |
| ENSG00000183814 | LIN9 | -0.445762779 | -0.500355706 |
| ENSG00000214113 | LYRM4 | -0.447266382 | -0.316472921 |
| ENSG00000155093 | PTPRN2 | -0.461228285 | -0.391261351 |
| ENSG00000269430 | LRRC3DN | -0.470481652 | -0.483584995 |
| ENSG00000235169 | SMIM1 | -0.471785124 | -0.433501332 |
| ENSG00000106628 | POLD2 | -0.473321737 | -0.497164859 |
| ENSG00000120171 | Y_RNA | -0.490003261 | -0.427362996 |
| ENSG00000183844 | FAM3B | -0.491000155 | -0.572381079 |
| ENSG00000111424 | VDR | -0.495281402 | -0.306026447 |
| ENSG00000261574 | RP1-168P16.2 | -0.507890303 | -0.532013649 |
| ENSG00000154328 | NEIL2 | -0.514399231 | -0.349492888 |
| ENSG00000108176 | DNAJC12 | -0.524194877 | -0.467751332 |
| ENSG00000215424 | MCM3AP-AS1 | -0.525729325 | -0.279459351 |
| ENSG00000160285 | LSS | -0.525729418 | -0.27945874 |
| ENSG00000152969 | JAKMIP1 | -0.530268698 | -0.501891201 |
| ENSG00000236700 | LINC01010 | -0.544939813 | -0.323585807 |
| ENSG00000172201 | ID4 | -0.550643521 | -1.048051755 |
| ENSG00000156206 | C15orf26 | -0.555492317 | -0.340947508 |
| ENSG00000147439 | BIN3 | -0.604298837 | -0.353657469 |
| ENSG00000173930 | SLCO4C1 | -0.606609142 | -0.480679447 |
| ENSG00000042753 | AP2S1 | -0.617939056 | -0.333159744 |
| ENSG00000147257 | GPC3 | -0.625183171 | -1.076200661 |
| ENSG00000171954 | CYP4F22 | -0.637505441 | -0.341284666 |
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