

Supplemental Digital Content 5: List of 13 genes that were significantly modulated in all patients

| N  | Column ID   | Column # | Gene Title                                                                 | Gene Symbol | IFN-NPE             | IFN-NPE          | IFN-PE              | IFN-PE           |
|----|-------------|----------|----------------------------------------------------------------------------|-------------|---------------------|------------------|---------------------|------------------|
|    |             |          |                                                                            |             | p-value(Post - Pre) | Mean(Post - Pre) | p-value(Post - Pre) | Mean(Post - Pre) |
| 1  | 40850_at    | 21977    | FK506 binding protein 8, 38kDa                                             | FKBP8       | 0.0477742           | 0.681949         | 0.0376381           | 0.819704         |
| 2  | 200923_at   | 456      | lectin, galactoside-binding, soluble, 3 binding protein                    | LGALS3BP    | 0.0424356           | 1.30272          | 0.000105635         | 1.74982          |
| 3  | 201200_at   | 733      | cellular repressor of E1A-stimulated genes 1                               | CREG1       | 0.0383863           | 0.743304         | 0.00550466          | 0.586829         |
| 4  | 202219_at   | 1752     | solute carrier family 6 (neurotransmitter transporter, creatine), member 8 | SLC6A8      | 0.0217041           | 0.854514         | 0.0222675           | 1.24964          |
| 5  | 202411_at   | 1944     | interferon, alpha-inducible protein 27                                     | IFI27       | 0.000143379         | 4.53823          | 1.97E-06            | 5.25733          |
| 6  | 204131_s_at | 3663     | forkhead box O3                                                            | FOXO3       | 0.048239            | 0.811879         | 0.0265251           | 1.01105          |
| 7  | 205592_at   | 5124     | interleukin 8                                                              | IL8         | 0.0447334           | 1.97291          | 0.00675229          | 1.9978           |
| 8  | 205950_s_at | 5482     | carbonic anhydrase I                                                       | CA1         | 0.0284056           | 2.19653          | 0.00675552          | 2.14908          |
| 9  | 206111_at   | 5642     | ribonuclease, RNase A family, 2 (liver, eosinophil-derived neurotoxin)     | RNASE2      | 0.0398159           | 0.944701         | 0.00887123          | 0.988788         |
| 10 | 211560_s_at | 10970    | aminolevulinate, delta-, synthase 2 (sideroblastic/hypochromic anemia)     | ALAS2       | 0.0318233           | 2.66798          | 0.00289969          | 2.92339          |
| 11 | 214453_s_at | 13837    | interferon-induced protein 44                                              | IFI44       | 0.0496294           | 1.62154          | 0.000215865         | 1.94236          |
| 12 | 219672_at   | 19041    | erythroid associated factor                                                | ERAF        | 0.0450947           | 1.4213           | 0.0104699           | 1.9915           |
| 13 | 221479_s_at | 20847    | BCL2/adenovirus E1B 19kDa interacting protein 3-like                       | BNIP3L      | 0.0179451           | 1.27999          | 0.0108822           | 1.21449          |

