Supplemental Table S3. Correlation between miR122 in liver and serum, hepatic IFN-α and IFN-β, and ALT profiles during 180 days of acute HCV infection in chimpanzees (Spearman correlation test)

**A.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  **Hepatic miR-122** **vs.** |  |   |   |   |
| **Chimp**  | **HCV RNA in liver**  | **HCV RNA** **in serum** | **ALT** **in serum** | **IFN-α** **in liver** | **IFN-β** **in liver** | **miR-122** **in serum** |
|   |  |  |  |  |  |  |
| **CH256**  | r= -0.892 | r= -0.492 | r= -0.237 | r= 0.634 | r= 0.749 | r= 0.272 |
|   | p= 0.042 | p= 0.074 | p= 0.415 | p= 0.049 | p= 0.013 | p= 0.728 |
|   |  |  |  |  |  |  |
| **CH6413**  | r= -0.385 | r= -0.474 | r= -0.208 | r= 0.007 | r= -0.026 | r= 0.000 |
|   | p= 0.394 | p= 0.074 | p= 0.457 | p= 0.982 | p= 0.936 | p= 1.0 |
|   |  |  |  |  |  |  |
| **CH1541** | r= -0.818 | r= -0.766 | r= -0.326 | r= -0.103 | r= -0.006 | r= -1.0 |
|   | p= 0.047 | p= 0.004 | p= 0.302 | p= 0.778 | p= 0.986 | p> 0.01 |
|   |   |   |   |   |   |   |

**B.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  **Serum miR-122** **vs.** |  |   |   |
| **Chimp**  | **HCV RNA** **in liver**  | **HCV RNA** **in serum** | **ALT** **in serum** | **IFN-α****in liver** | **IFN-β****in liver** |
|   |  |  |  |  |  |
| **CH256**  | r= 0.866 | r= 0.634 | r= 0.661 | r= 0.211 | r= 0.211 |
|   | p= 0.333 | p= 0.049 | p= 0.038 | p= 0.789 | p= 0.789 |
|   |  |  |  |  |  |
| **CH6413**  | r= 0.500 | r= 0.397 | r= 0.306 | r= 0.793 | r= 0.806 |
|   | p= 0.667 | p= 0.331 | p= 0.391 | p= 0.034 | p= 0.029 |
|   |  |  |  |  |  |
| **CH1541** | r= -0.833 | r= 0.912 | r= 0.455 | r= 0.316 | r= 0.316 |
|   | p= 0.167 | p= 0.002 | p= 0.230 | p= 0.684 | p= 0.684 |
|   |   |   |   |   |   |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  **C.** |  **Hepatic miR-122**  **vs.** |   |   |   |   |
| **Chimp**  | **HCV RNA** **in liver**  | **HCV RNA** **in serum** | **ALT** **in serum**  | **IFN-α****in liver** | **IFN-β** **in liver** | **miR-122** **in serum** |
|   |  |  |  |  |  |  |
| **CH256, CH6413, CH1541** | r= -0.725 | r= -0.529 | r=-0.122 | r= 0.464 | r= 0.470 | r= 0.320 |
|   | p> 0.01 | p> 0.01 | p= 0.376 | p= 0.002 | p= 0.002 | p= 0.182 |
|   |   |   |   |   |   |   |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|   |  **Serum miR-122**  **vs.** |   |   |   |   |
| **Chimp**  | **HCV RNA** **in liver**  | **HCV RNA** **in serum** | **ALT****in serum** | **IFN-α****in liver** | **IFN-β** **in liver** |  |
|   |  |  |  |  |  |  |
| **CH256, CH6413, CH1541** | r= 0.812 | r= 0.591 | r= 0.292 | r= 0.232 | r= 0.396 |  |
|   | p= 0.001 | p> 0.01 | p= 0.071 | p= 0.340 | p= 0.093 |  |
|   |   |   |  |   |   |  |

No. of samples used: CH256: liver n=13, serum n=13; CH6413: liver n=14, serum n=13; and CH1541: liver n=11, serum n=11.