Supplemental Table 1.

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| **Parameters** | **LVL (n=10)**a, b | **HVL (n=13)** |
| Patient factors |  |  |
| Male (%) | 30 | 46 |
| Caucasian (%) | 60 | 77 |
| Agec | 50 (40-65) | 54 (23-62) |
|  |  |  |
| Viral factors |  |  |
| Genotype 1 (%) | 80 | 92 |
| ALT (IU/L)c, d | 57 (38-181) | 67 (27-330) |
| AST (IU/L)c, d | 81 (32-168) | 63 (22-221) |
| GGT (IU/L)c, d | 65 (19-297) | 54 (10-361) |
| Bilirubin (µmol/L)c, d | 9 (5-25) | 7 (4-20) |
| Fibrosis Scoresc, e | 3 (2-4) | 2.5 (1-4) |
| Grade of Inflammationc | 2.5 (2-3) | 2 (1-3) |
|  |  |  |
| Treatment factors |  |  |
| EVR Genotype 1 (%) | 25 | 75 |
| SVR Genotype 1 (%) | 13 | 50 |
| Treatment Discontinuation (%) | 38 | 17 |

a. Low viral loads (LVL) and high viral loads (HVL) were respectively differentiated as <800,000 IU/ml and >800,000 IU/ml.

b. Significant differences were assessed between the LVL relative to HVL cohort. Quantitative data was assessed by Mann Whitney. Categorical differences were determined by Fisher's exact test (including early viral response, EVR and sustained viral response, SVR). p<0.05 was considered significant.

c. Median and range shown.

d. Serum levels of alanine aminotransferase (ALT), aspartate aminotransferase (AST) levels, gamma-glutamyl transferase (GGT) and bilirubin were determined. Normal levels for the following; ALT, 2-40 IU/L; AST, 2-45 IU/L, GGT, 0-30 U/L and bilirubin <7 µmol/L.

e. Fibrosis scores are calculated out of a score of 1-4. Grade of inflammation scores are graded out to 0-3.

Supplemental Table 2. NK cell cytotoxicity did not correlated to IFN-γ production

|  |  |  |
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|  | r values | |
| % NK cell | % Lysis - CM | % Lysis -IFN-α |
| IFN-γ+ |  |  |
| CM | -0.143 | 0.027 |
| K562 | 0.015 | 0.028 |
| PD-1+ |  |  |
| CM | 0.257 | 0.257 |
| K562 | 0.000 | -0.079 |