

Supplementary Table 1 The diagnostic performance of serum M2BPGi levels, FIB-4 score and PAPAS index in differentiating the grades of fibrosis

| | Scales | AUC | P-value | Cutoff | Sensitivity | Specificity |
|----------------|--------|-------|---------|--------|-------------|-------------|
| F4 from F0-3 | | | | | | |
| Baseline | FIB-4 | 0.688 | 0.007* | ≥ 1.48 | 76% | 56.4% |
| | PAPAS | 0.596 | 0.172 | ≥ 2.57 | 32% | 87.3% |
| | M2BPGi | 0.801 | <0.001* | ≥ 5.37 | 84% | 72.7% |
| SVR12 | FIB-4 | 0.703 | 0.009* | ≥ 1.28 | 72.2% | 69.4% |
| | PAPAS | 0.665 | 0.034* | ≥ 1.87 | 94.4% | 35.5% |
| | M2BPGi | 0.844 | <0.001* | ≥ 5.36 | 83.3% | 80.6% |
| F3 from F0-2 | | | | | | |
| Baseline | FIB-4 | 0.718 | 0.110 | ≥ 1.33 | 100% | 55.1% |
| | PAPAS | 0.629 | 0.347 | ≥ 2.42 | 60% | 73.5% |
| | M2BPGi | 0.569 | 0.612 | ≥ 3.39 | 80% | 51% |
| SVR12 | FIB-4 | 0.553 | 0.672 | ≥ 1.21 | 66.7% | 65% |
| | PAPAS | 0.539 | 0.755 | ≥ 1.90 | 83.3% | 36.7% |
| | M2BPGi | 0.893 | 0.002* | ≥ 3.40 | 100% | 61.7% |
| F2 from F0-1 | | | | | | |
| Baseline | FIB-4 | 0.485 | 0.863 | ≥ 0.59 | 100% | 13.8% |
| | PAPAS | 0.507 | 0.935 | ≥ 2.76 | 20% | 100% |
| | M2BPGi | 0.713 | 0.012* | ≥ 2.44 | 95% | 44.8% |
| SVR12 | FIB-4 | 0.586 | 0.283 | ≥ 1.33 | 40.9% | 79.4% |
| | PAPAS | 0.611 | 0.164 | ≥ 2.09 | 63.6% | 70.6% |
| | M2BPGi | 0.583 | 0.298 | ≥ 2.37 | 68.2% | 55.9% |
| F3-4 from F0-2 | | | | | | |
| Baseline | FIB-4 | 0.695 | 0.003* | ≥ 1.33 | 80.6% | 55.1% |
| | PAPAS | 0.613 | 0.090 | ≥ 2.41 | 48.4% | 73.5% |
| | MAC-2 | 0.730 | 0.001* | ≥ 5.19 | 77.4% | 67.3% |
| SVR12 | FIB-4 | 0.670 | 0.016* | ≥ 1.33 | 62.5% | 71.4% |
| | PAPAS | 0.638 | 0.051 | ≥ 1.87 | 91.7% | 37.5% |

| | | | | | | |
|----------------|--------|-------|---------|--------|--------|-------|
| | M2BPGi | 0.891 | <0.001* | ≥ 5.36 | 83.3% | 87.5% |
| F2-4 from F0-1 | | | | | | |
| | FIB-4 | 0.605 | 0.118 | ≥ 1.31 | 68.6% | 55.2% |
| Baseline | PAPAS | 0.576 | 0.260 | ≥ 2.67 | 21.6% | 96.6% |
| | M2BPGi | 0.763 | <0.001* | ≥ 5.19 | 68.6% | 82.8% |
| | FIB-4 | 0.655 | 0.019* | ≥ 1.28 | 54.3% | 79.4% |
| SVR12 | PAPAS | 0.650 | 0.022* | ≥ 2.09 | 63% | 70.6% |
| | M2BPGi | 0.750 | <0.001* | ≥ 4.87 | 0.652% | 82.4% |

*Significant difference. ROC: Receiver operating characteristic curve; AUC: Area under curve; M2BPGi: Mac-2 binding protein glycosylation isomer; SVR: Sustained virologic response