TABLE s1 Patient Characteristics

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| Characteristic  | Value  |
| No. of patients  | 61 (Male: 45, Female: 16)  |
| Age, median (range) | 62 (37-83)  |
| No. of studies  | 165  |
| Type of liver cancer  | Cholangiocaracinoma:1 Colon:5 Colorectal:1 Esophageal adenoca:1 Gstric:1 HCC:45 Rectal:6 Sigmoid adenocarcinoma:1  |
| Stage at diagnosis  | IA:4 IB: 13 II: 25 IIIA: 2 IIIB: 1 IV: 16  |
| Primary vs. Metastatic  | Primary: 44 Metastatic: 16 Both: 1  |
| Average No. of liver tumors for the ten selected testing patients | 2.1 (1-4)  |