

**Supplementary Table II.** Association of clinico-pathological parameters with inflammatory markers (STAT6, STAT3, and NFκB)

| IHC scoring Low (0-2); High (3-6) |        | Tumour staging |          |          |         |                | Lymph node involvement |                | Metastasis  |                | Liver infiltration |                | Resectability |                |
|-----------------------------------|--------|----------------|----------|----------|---------|----------------|------------------------|----------------|-------------|----------------|--------------------|----------------|---------------|----------------|
| Inflammatory markers              | Scores | IIb (%)        | IIIa (%) | IIIb (%) | IVb (%) | <i>P</i> value | Present (%)            | <i>P</i> value | Present (%) | <i>P</i> value | Present (%)        | <i>P</i> value | Present (%)   | <i>P</i> value |
| STAT 6                            | 00     | 0              | 33.3     | 50       | 0       | 0.27           | 25.0                   | 0.02*          | 42.86       | 0.11           | 14.29              | 0.66           | 33.3          | 0.24           |
|                                   | 03     |                | 0        | 25       | 0       |                | 12.5                   |                | 14.29       |                | 14.29              |                | 0.0           |                |
|                                   | 05     | 75             | 0        | 25       | 100     |                | 62.5                   |                | 14.29       |                | 42.86              |                | 44.4          |                |
| STAT 3                            | 00     | 0              | 0        | 25       | 0       | 0.51           | 12.5                   | 0.73           | 14.2        | 0.53           | 14.2               | 0.53           | 11.1          | 0.41           |
|                                   | 03     | 25             | 66.6     | 0        | 0       |                | 25                     |                | 28.5        |                | 28.5               |                | 33.3          |                |
|                                   | 04     | 25             | 0.0      | 0        | 0       |                | 12.5                   |                | 0           |                | 0                  |                | 11.1          |                |
|                                   | 05     | 50             | 33.3     | 75       | 100     |                | 50                     |                | 57.1        |                | 57.1               |                | 44.4          |                |
| NFκB                              | 00     | 25             | 33.3     | 0        | 0       | 0.51           | 12.5                   | 0.94           | 14.2        | 0.34           | 14.2               | 0.78           | 11.1          | 0.21           |
|                                   | 03     | 0              | 0        | 50       | 100     |                | 25.0                   |                | 42.8        |                | 28.5               |                | 33.3          |                |
|                                   | 04     | 0              | 0        | 25       | 0       |                | 12.5                   |                | 0           |                | 14.2               |                | 0             |                |
|                                   | 05     | 50             | 33.3     | 0        | 0       |                | 25.0                   |                | 14.2        |                | 14.2               |                | 33.3          |                |
|                                   | 06     | 25             | 33.3     | 25       | 0       |                | 25.0                   |                | 28.5        |                | 28.5               |                | 22.2          |                |

Association between clinico-pathological parameters and IHC expression of inflammatory markers; STAT6, STAT3, and NFκB in GBC. Statistical significant was considered as  $P < 0.05$ . IHC: immunohistochemistry; GBC: gallbladder cancer