Supplementary Table 1

| Parameter                  | n  | TANs       | P value | Notch3     | P value |
|----------------------------|----|------------|---------|------------|---------|
|                            |    | low | high |              | - | + |
| **Gender**                 |    |     |      |              |   |   |
| Male                       | 46 | 22  | 24  | 0.5465      | 27| 19 |
| Female                     | 54 | 28  | 26  | 0.2922      | 27| 27 |
| **Age**                    |    |     |      |              |   |   |
| < 60                       | 57 | 26  | 31  | 0.4193      | 28| 29 |
| ≥60                        | 43 | 24  | 19  | 0.3235      | 26| 17 |
| **Tumor status**           |    |     |      |              |   |   |
| T1                         | 46 | 25  | 21  | 0.7288      | 27| 19 |
| T2                         | 42 | 19  | 23  | 0.5654      | 22| 20 |
| T3                         | 6  | 3   | 3   | 0.0348      | 2 | 4  |
| T4                         | 6  | 3   | 3   | 0.6001      | 3 | 3  |
| **TNM stage**              |    |     |      |              |   |   |
| I+II                       | 66 | 38  | 28  | 0.0473      | 36| 30 |
| III+IV                     | 34 | 12  | 22  | 0.0032      | 18| 16 |
| **Differentiation**        |    |     |      |              |   |   |
| Moderate+well              | 71 | 40  | 31  | 0.0133      | 45| 26 |
| Poor                       | 29 | 10  | 19  | 0.0058      | 9 | 20 |
| **Pathological type**      |    |     |      |              |   |   |
| Lepidic predominant        | 20 | 13  | 7   | 0.0938      | 10| 10 |
| Acinar predominant         | 46 | 26  | 20  | 0.3387      | 32| 14 |
| Papillary predominant      | 9  | 6   | 3   | 0.0938      | 6 | 3  |
| Micropapillary predominant | 6  | 1   | 5   | 0.0938      | 2 | 4  |
| Solid predominant          | 19 | 4   | 15  | 0.0938      | 4 | 15 |
| Lymph node Metastasis      |    |     |      |              |   |   |
| +                          | 59 | 30  | 29  | 0.0938      | 34| 25 |
| -                          | 41 | 20  | 21  | 0.3387      | 20| 21 |

Infiltrating of TANs and expression of Notch3 in lung adenocarcinoma and their clinicopathological significance