**Supplementary Table 2. NOS score of included studies.**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| First author | Representativeness of the exposed cohort | Selection of non exposed cohort | Ascertainment of exposure | Demonstration that outcome of interest was not present at start of the study | Comparability of cohorts on the basis of the design or analysis | Assessment of outcome | Was follow-up long enough for outcomes to occur | Adequacy of follow up of cohorts | NOS score |
|  | a.truly representative of the average in the community \* | a.drawn from the same community as the export cohort \* | a.secure record (eg. surgical record) \* | a.yes \* | a.study controls for YAP1 negative or low expression \* | a.independent blind assessment \* | a.yes \* | a.complete follow up-all subjects accounted for \* |  |
|  | b.somewhat representative of average in the community \* | b.drawn from the different source | b.structured interview | b.no | b.study controls for other factors \* | b.record linkage \* | b.no | b.subjects lost to follow up unlikely introduce bias-small number lost＞20% follow up, or description provided of those lost) \* |  |
|  | c.selected group of users eg. nurses, volunteers | c.no description of derivation of the non exposed cohort | c.written self report |  |  | c.self report |  | c.follow up rate＜20% and no description provided of those lost) |  |
|  | d.no description of derivation of the cohort |  | d.no description |  |  | d.no description |  | d.no statement |  |
| Xu et al | \* | \* | \* | \* | \* |  | \* | \* | 6 |
| Hall et al | \* | \* | \* | \* | \* |  | \* |  | 6 |
| Wang1 et al | \* | \* | \* | \* | \* | \* | \* |  | 7 |
| Wang2 et al | \* | \* | \* | \* | \* | \* | \* | \* | 8 |
| Kang et al | \* | \* | \* | \* | \* |  | \* |  | 6 |
| Muramatsu et al | \* | \* | \* | \* | \* | \* | \* |  | 7 |
| Song et al | \* | \* | \* | \* | \* | \* | \* |  | 7 |
| Yeo et al | \* | \* | \* | \* | \* | \* | \* |  | 7 |
| Kim1 et al | \* | \* | \* | \* | \* | \* | \* | \* | 8 |
| Kim2 et al | \* | \* | \* | \* | \* |  | \* |  | 6 |
| Liu1 et al | \* | \* | \* | \* | \* | \* | \* |  | 7 |
| Liu2 et al | \* | \* | \* | \* | \* | \* | \* |  | 7 |
| Xu1 et al | \* | \* | \* | \* | \* |  | \* |  | 6 |
| Xu2 et al | \* | \* | \* | \* | \* |  | \* |  | 6 |
| Wang et al | \* | \* | \* | \* | \* |  | \* |  | 6 |
| Hu et al | \* | \* | \* | \* | \* | \* | \* | \* | 7 |
| Kim1 et al | \* | \* | \* | \* | \* |  | \* |  | 6 |
| Kim2 et al | \* | \* | \* | \* | \* |  | \* |  | 6 |
| Sun et al | \* | \* | \* | \* | \* | \* | \* |  | 7 |
| Tsujiura et al | \* | \* | \* | \* | \* | \* | \* |  | 7 |
| Xia et al | \* | \* | \* | \* | \* |  | \* |  | 6 |
| Ahmed et al | \* | \* | \* | \* | \* | \* | \* |  | 7 |
| Hayashi et al | \* | \* | \* | \* | \* | \* | \* |  | 7 |
| Kim1 et al | \* | \* | \* | \* | \* | \* | \* |  | 7 |
| Kim2 et al | \* | \* | \* | \* | \* |  | \* |  | 6 |
| Li et al | \* | \* | \* | \* | \* | \* | \* |  | 7 |
| Liu et al | \* | \* | \* | \* | \* |  | \* |  | 6 |
| Pei et al | \* | \* | \* | \* | \* | \* | \* |  | 7 |
| Suh et al | \* | \* | \* |  | \* | \* | \* |  | 6 |
| Wang1 et al | \* | \* | \* | \* | \* | \* | \* |  | 7 |
| Wang2 et al | \* | \* | \* | \* | \* | \* | \* | \* | 8 |
| Abduch et al | \* | \* | \* | \* | \* | \* | \* |  | 7 |
| Ni et al | \* | \* | \* | \* | \* |  | \* |  | 6 |
| Li1 et al | \* | \* | \* | \* | \* |  | \* | \* | 7 |
| Li2 et al | \* | \* | \* | \* | \* | \* |  | \* | 7 |
| Luo et al | \* | \* | \* |  | \* | \* | \* | \* | 7 |
| Sun et al | \* | \* | \* | \* | \* |  | \* |  | 6 |
| Zeng et al | \* | \* | \* | \* | \* | \* | \* | \* | 8 |
| Zhao et al | \* | \* | \* | \* | \* |  | \* |  | 6 |
| Wu et al | \* | \* | \* | \* | \* | \* | \* | \* | 8 |
| Cao et al | \* | \* | \* | \* | \* | \* | \* |  | 7 |
| Chaib et al | \* | \* | \* | \* | \* |  |  |  | 6 |
| Chen et al | \* | \* | \* | \* | \* | \* | \* |  | 7 |
| Gao et al | \* | \* | \* | \* | \* |  | \* |  | 6 |
| Hong et al | \* | \* | \* | \* | \* |  | \* |  | 6 |
| Huang et al | \* | \* | \* | \* | \* |  | \* |  | 6 |
| Liu1 et al | \* | \* | \* | \* | \* | \* | \* |  | 6 |
| Liu2 et al | \* | \* | \* | \* | \* |  | \* | \* | 7 |
| Liu3 et al | \* | \* | \* | \* | \* | \* | \* |  | 7 |
| Pan et al | \* | \* | \* | \* | \* | \* | \* |  | 7 |
| Rybarczyk et al | \* | \* | \* | \* | \* |  | \* |  | 6 |
| Sugimachi et al | \* | \* | \* | \* | \* | \* | \* | \* | 8 |
| Wei et al | \* | \* | \* | \* | \* |  | \* |  | 6 |
| Wu et al | \* | \* | \* | \* | \* | \* | \* |  | 7 |
| Zhang et al | \* | \* | \* | \* | \* |  | \* |  | 6 |
| Chen et al | \* | \* | \* | \* | \* | \* | \* |  | 7 |
| Ding et al | \* | \* | \* | \* | \* | \* | \* |  | 7 |
| Godlewski et al | \* | \* | \* | \* | \* | \* | \* |  | 7 |
| Guichet et al | \* | \* | \* | \* | \* | \* | \* |  | 7 |
| Hong et al | \* | \* | \* | \* | \* | \* | \* |  | 7 |
| Huang et al | \* | \* | \* | \* | \* |  | \* |  | 6 |
|  |  |  |  |  |  |  |  |  |  |
| Kim et al | \* | \* | \* | \* | \* | \* | \* |  | 7 |
| Luu et al | \* | \* | \* | \* | \* | \* | \* |  | 7 |
| Qian et al | \* | \* | \* | \* | \* | \* | \* |  | 7 |
| Chen et al | \* | \* | \* | \* | \* | \* | \* |  | 7 |
| Kim et al | \* | \* | \* | \* | \* | \* | \* |  | 7 |
| Van Haele et al | \* | \* | \* | \* | \* | \* | \* |  | 7 |
| Zhang et al | \* | \* | \* | \* | \* | \* | \* | \* | 8 |

Abbreviation: YAP1 yes-associated protein 1; NOS Newcastle-Ottawa Scale.