

Supplementary Table S1. Overview of all *PLAG1*- and *HMGA2*-fusions so far described in pleomorphic salivary gland adenomas in the literature. The fusions were identified by RNA-sequencing, RT-PCR, fluorescence in situ hybridization (FISH), and/or array-based comparative genomic hybridization (arrayCGH).

| Gene fusions | No. of cases | References |
|-----------------------------|--------------|---------------|
| <i>PLAG1</i>-fusions | | |
| <i>CTNNB1::PLAG1</i> | 49 | [1-9] |
| <i>CHCHD7::PLAG1</i> | 19 | [3,5,7,10] |
| <i>FGFR1::PLAG1</i> | 10 | [11] |
| <i>LIFR::PLAG1</i> | 8 | [3,5,12] |
| <i>TCEA1::PLAG1</i> | 3 | [2,10] |
| <i>FBXO32::PLAG1</i> | 2 | [7,13] |
| <i>NCALD::PLAG1</i> | 3 | [7] |
| <i>NTF3::PLAG1</i> | 2 | [7,13] |
| <i>ACTA2::PLAG1</i> | 1 | [7] |
| <i>DSTN::PLAG1</i> | 1 | [7] |
| <i>C1orf116::PLAG1</i> | 1 | [13] |
| <i>GEM::PLAG1</i> | 1 | [13] |
| <i>BOC::PLAG1</i> | 1 | [14] |
| <i>NFIB::PLAG1</i> | 1 | [6] |
| <i>HMGA2</i>-fusions | | |
| <i>HMGA2::WIF1</i> | 26 | [3,5-9,15-17] |
| <i>HMGA2::NFIB</i> | 5 | [6,18] |
| <i>HMGA2::FHIT</i> | 1 | [19] |
| <i>HMGA2::RPSAP52</i> | 1 | [17] |
| <i>HMGA2::HELB</i> | 1 | [17] |
| <i>HMGA2::TMTC2</i> | 1 | [20] |
| <i>HMGA2::FTO</i> | 1 | [8] |

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