

Table S1: Biological data of patient-derived tumor tissue.

| Sample # | Cell culture name | Patient Sex | Patient age (years) | Tumor type | p16 status (pathology) | Differentiation grade | Culture medium used | Cell culture established |
|----------|-------------------|-------------|---------------------|-------------------------|------------------------|-----------------------|---------------------|-------------------------------------|
| S1 | BI-1 | male | 82 | Mucinous adenocarcinoma | not determined | | DMEM | stroma |
| S2 | | male | 78 | Oropharynx SCC | positive | G3 | DMEM | none |
| S3 | BI-3 | male | 71 | Hypopharynx SCC | positive | G3 | DMEM | stroma |
| S4 | BI-4 | male | 62 | Larynx SCC | not determined | G2 | DMEM | stroma |
| S5 | BI-5 | female | 57 | Oropharynx SCC | not determined | G2 | DMEM | stroma |
| S6 | | male | 71 | Oropharynx SCC | not determined | G2 | DMEM | none |
| S7 | | male | 85 | Oropharynx SCC | positive | G2 | DMEM | none |
| S8 | | female | 87 | Larynx SCC | not determined | G2 | DMEM | none |
| S9 | BI-9 | male | 53 | Schwannoma | not determined | | DMEM | mesenchymal |
| S10 | | female | 53 | Nasal cavity SCC | not determined | G2 | DMEM | none |
| S11 | | male | 64 | Oropharynx SCC | not determined | G2 | DMEM | contaminated |
| S12 | BI-12 | male | 49 | Tonsil SCC | positive | G3 | CSC | epithelial |
| S13 | | female | 59 | Larynx SCC | not determined | G2 | CSC | none |
| S14 | | male | 76 | Tonsil SCC | positive | G3 | CSC | none |
| S15 | BI-15 | female | 57 | Oropharynx SCC | positive | G3 | CSC | epithelial |
| S16 | | female | 55 | Oropharynx SCC | negative | G3 | CSC | contaminated |
| S17 | | female | 88 | Larynx SCC | not determined | G2 | CSC | none |
| S18 | BI-18 | male | 77 | Oropharynx SCC | negative | G3 | DMEM, CSC, and PNEU | epithelial (PNEU) |
| S19 | | male | 67 | Oropharynx SCC | positive | G2 | DMEM and PNEU | none |
| S20 | | female | 74 | Oropharynx SCC | not determined | G2 | PNEU | none |
| S21 | | female | 47 | Esthesioneuroblastoma | not determined | | PNEU | none |
| S22 | BI-22 | male | 55 | Oropharynx SCC | negative | G3 | PNEU | epithelial |
| S23 | BI-23 | female | 88 | Larynx SCC | not determined | G2 | PNEU | epithelial |
| S24 | BI-24 | male | 58 | Oropharynx SCC | positive | G2 | DMEM and PNEU | stroma (DMEM) and epithelial (PNEU) |
| S25 | BI-25 | male | 75 | SCC of ear/skin | not determined | G3 | PNEU | epithelial |