



Figure S2. Growth analyses upon efficient and gene specific knock down in 11q13 amplified cells

- a.** RT-qPCR copy number values of *GIF* (11q12), *SORL1* (11q24), and 11q13 genes, calculated relative to primary OKC
- b.** Gene expression values 72 hrs post transduction with guideRNA, relative to OR2B6 knockdown control.
- c.** Immunoblot analysis of 11q13 genes in FaDu and Detroit562 cells upon CRISPRi-mediated knockdown of target genes.
- d.** Relative cell viability values based on Alamar Blue assay upon CRISPR-i mediated knockdown of 11q13 genes in Detroit562 cells. P values calculated with two-way ANOVA test. Average doubling times in hours; OR2B6: 40.3, CCND1: 57.8, ORAOV1: 50.8, FGF19: 38.1, ANO1: 40.3, FADD: 38.0, PPFIA1: 42.1, CTTN: 41.7.
- e.** Gene expression values 96 hrs post respective gene knockout, relative to SC1 control.
- f.** Relative cell viability values based on Alamar Blue assay upon CRISPR mediated knock-out of 11q13 genes in Detroit562 cells. Average doubling times in hours: SC1: 32.3, FGF19: 31.1, CCND1: 42.7, ORAOV1: 39.0.
- g.** Spheroid formation frequency upon CRISPR-i mediated knockdown of 11q13 genes in Detroit562 cells. Error bars represent 95% confidence interval, p values calculated with chi-square test (none significant).
- h.** Gene expression of 11q13 genes upon CRISPR-i mediated knockdown of *CCND1* in FaDu and Detroit562 cells.
- i.** *CCND1* gene expression upon CRISPR-i mediated knockdown of 11q13 genes in FaDu and Detroit562 cells.