

Figure S1. Immunohistological features of EGFR and p53 expression based on immunohistochemical staining revealing high accordance between patient-derived xenografts and corresponding patient head and neck tumours. Scale bar, 100 μ m. Magnification, x200. Numbers in the lower right are IHC scores. IHC score 0 refers to positive cancer cells <10%, score 1 refers to faint positive cells $\geq$ 10%, score 2 corresponds to i) weak and medium positive cells $\geq$ 10%, or ii) strong positive cells $\geq$ 10 but $\leq$ 30%, and score 3 corresponds to strong positive cells >30%. F0, patient tumour; F1, F1 generation (1 passage); IHC, immunohistochemistry.

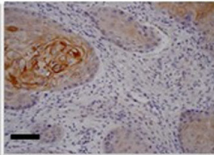
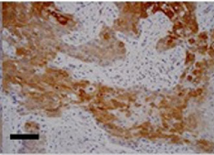
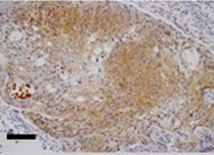
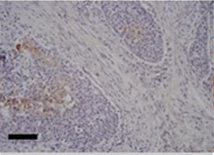
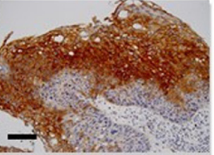
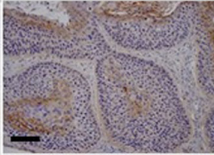
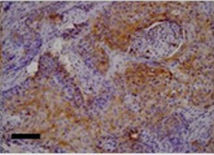
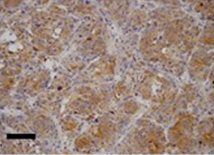
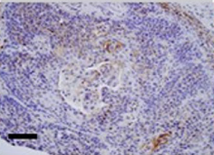
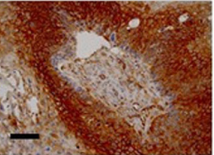
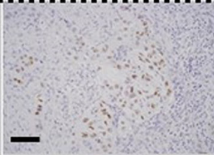
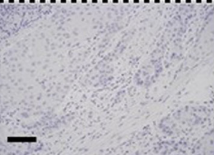
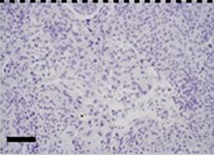
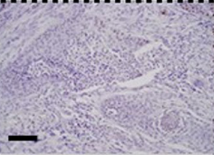
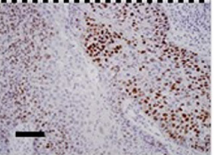
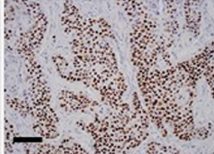
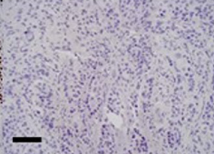
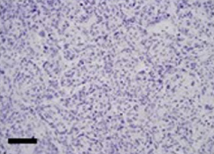
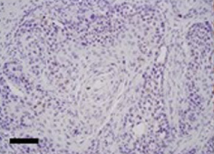
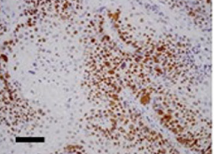
	P-1	P-2	P-3	P-4	P-5
EGFR (F0)					
	2	2	2	1	3
EGFR (F1)					
	2	2	2	1	3
p53 (F0)					
	1	0	0	0	3
p53 (F1)					
	3	0	0	0	3

Table SI. Tumor collection date (year/month/day).

Tumor ID	F0	F1	F2	F3	F4	F5
P-1	X ₁ /12/14	N/A	X ₁ +1/04/26	X ₁ +1/07/28	X ₁ +1/12/06	X ₁ +2/01/10
P-2	X ₂ /11/27	X ₂ +1/03/02	X ₂ +1/05/27	X ₂ +1/07/28	X ₂ +1/12/06	X ₂ +2/01/10
P-3	X ₃ /12/14	X ₃ +1/03/22	X ₃ +1/05/08	X ₃ +1/06/26	X ₃ +1/09/25	N/A
P-4	X ₄ /12/21	X ₄ +1/03/02	N/A	N/A	N/A	N/A
P-5	X ₅ /06/27	X ₅ /09/20	X ₅ +1/01/04	N/A	N/A	N/A

N/A, not available.

Table SII. Time to harvest (days).

Tumor ID	F0→1	F1→2	F2→3	F3→4	F4→5
P-1	N/A	N/A	93	131	35
P-2	96	86	62	131	35
P-3	98	47	49	91	N/A
P-4	72	N/A	N/A	N/A	N/A
P-5	85	105	N/A	N/A	N/A

N/A, not available.

Table SIII. Last passage.

Tumor ID	Last passage
P-1	F5
P-2	F5
P-3	F5
P-4	F2
P-5	F2

Table SIV. Ki-67 index.

Tumor ID	Generation	Ki-67 index, %
P-1	F0	5
	P1	7
	P2	7
	P3	8
P-2	F0	7
	P1	9
	P2	7
	P3	11
P-3	F0	8
	P1	11
	P2	12
	P3	15
P-4	F0	5
	P1	8
P-5	F0	10
	P1	11
	P2	13