Table S1. Characteristics of total 17 metastatic NPC patients and the final 5 NPC-PDX lines (grey)

<b>Patient</b>	Age	Gender	Status at biopsy/operation			Previous	PDX	Overall	PDX Abb.
No.	(y/o)		Tissue	Biopsy(B)/	EBV DNA load	treatment	engraft	survival	
			source	Excision(E)	(copies/ml)			(months)	
1	42	Male	Soft tissue	E	4,525	No	Yes	13	PDX-ST (01)
2	42	Male	Neck LN	В	326,000	CCRT	Yes	14	PDX-LN (02)
3	64	Male	Lung	В	87	CCRT	Yes	15	PDX-LG (03)
4	52	Male	Liver	E	3,060	CCRT	Yes	7	PDX-Lv (04)
6	63	Female	Lung	$\mathbf{E}$	680	CCRT	No	28	
7	58	Male	Lung	$\mathbf{E}$	704	CCRT	No	20	
8	48	Male	Liver	В	29,020	CCRT	No	18	
9	45	Male	Lung	E	4,526	CCRT	No	26	
10	28	Male	Lung	$\mathbf{E}$	11,550	CCRT	No	17	
12	52	Male	Neck LN	В	1,800,000	CCRT	No	20	
13	52	Male	Bone	В	>2,000,000	CT	Yes	5	PDX-Bone (13)
16	15	Male	Neck LN	В	4,891	No	No	14	
17	46	Male	Neck LN	В	23,348	No	No	14	
18	52	Male	Axillary LN	В	721	CCRT	No	6	
19	58	Male	Lung	E	704	CCRT	No	10	
20	54	Male	Neck LN	В	39,796	CCRT	No	12	
21	52	Male	Liver	В	3,361	No	No	14	

<sup>1.</sup> CCRT: concurrent chemoradiotherapy; LN: lymph node; CT: chemotherapy

 <sup>2.</sup> PDX engraft rate: 5/17 (29.4%)
3. Overall survival was defined from taking tissue for PDX to death; PDX engraft positive: negative, p=0.033

<sup>4.</sup> Biopsy: 10/17 (58.8%) 5. Male: 16/17 (94.1%)