

Table S1. Characteristics of the 15 patients with NPC and one patient with chronic nasopharyngitis included in this study

Patient ID	Sex	Age	Histology	TNM stage*	Clinical stage*	Smoking history	Pretreatment plasma EBV DNA (copies/mL)	Bulk WES	Bulk RNA-seq	EBV status†
P01	Male	37	NKNPC	T3N1M0	III	Yes	1.16 * 10 ⁴	Yes	Yes	+
P02	Female	38	NKNPC	T2N3M0	IVA	No	1.91 * 10 ³	Yes	Yes	+
P03	Female	31	KNPC	T1N2M0	III	No	0	Yes	Yes	-
P04	Male	58	NKNPC	T4N3M1	IVB	Yes	0	Yes	Yes	+
P05	Male	74	NKNPC	T3N0M0	III	No	1.38 * 10 ³	Yes	Yes	+
P06	Female	36	NKNPC	T2N2M0	III	No	1.23 * 10 ⁴	Yes	Yes	+
P07	Male	45	NKNPC	T3N1M0	III	No	7.90 * 10 ²	Yes	Yes	+
P08	Male	61	NKNPC	T2N1M0	II	Yes	2.84 * 10 ³	Yes	Yes	+
P09	Male	51	NKNPC	T2N3M0	IVA	No	0	No	No	+
P10	Male	57	NKNPC	T4N1M0	IVA	Yes	0	Yes	Yes	-
P11	Male	44	NKNPC	T1N1M0	II	Yes	0	Yes	Yes	+
P12	Male	32	NKNPC	T4N2M0	IVA	No	9.90 * 10 ³	Yes	Yes	+
P13	Female	41	NKNPC	rT2N0M0	rII	No	0	No	No	+
P14	Female	54	NKNPC	T4N2M1	IVB	No	7.00 * 10 ⁶	Yes	Yes	+
P15	Male	32	NKNPC	T2N0M0	II	No	1.06 * 10 ²	No	No	+
N01	Female	20	CNP	--	--	No	0	No	No	-

*According to the 8th American Joint Committee on Cancer (AJCC)/Union for International Cancer Control (UICC) staging system.

† Detected by In situ hybridization to the EBV-encoded small RNAs (EBERs).

NPC, nasopharyngeal carcinoma; NKNPC, non-keratinizing NPC; KNPC, keratinizing NPC; CNP, chronic nasopharyngitis; EBV, Epstein-Barr virus; WES, whole-exome sequencing.