

**Supporting Information Table S2. HPV transcript-positive oropharyngeal HNSCCs in TCGA**

Patient ID	Age	Sex	Primary Tumor Site	8th edition clinical TNM†	8th edition overall†	Smoking Category*	Number of mutations	Survival (Years)	Survival Status	Disease Free Survival (Years)	Disease Free Status
TCGA_BA_4077	45	F	Tongue Base	T4N3M0	III	4	286	3.107	Deceased	0.003	Recurred/Progressed
TCGA_BA_5153	51	M	Tonsil	T2N1M0	I	1	56	4.827	Deceased	4.827	Recurred/Progressed
TCGA_BA_5559	71	M	Tonsil	T3N1M0	II	1	96	5.707	Deceased	5.707	Recurred/Progressed
TCGA_BA_A4IG	77	M	Tongue Base	Unavailable	Unavailable	3	106	2.342	Living	2.342	DiseaseFree
TCGA_BA_A4IH	57	M	Tonsil	T2N1M0	I	4	49	1.704	Living	1.704	DiseaseFree
TCGA_BB_4223	48	M	Tonsil	T3N1M0	II	1	296	8.825	Living	8.825	DiseaseFree
TCGA_BB_4225	73	M	Tongue Base	T3N2M0	II	4	75	0.4	Living	0.4	DiseaseFree
TCGA_BB_4228	50	M	Tongue Base	T2N0M0	I	2	59	1.529	Living	1.529	DiseaseFree
TCGA_BB_7861	56	M	Tongue Base	T1N1M0	I	2	Unavailable	1.868	Living	1.868	DiseaseFree
TCGA_BB_7866	40	M	Tonsil	T3N1M0	II	4	Unavailable	3.748	Living	3.748	DiseaseFree
TCGA_BB_A6UM	52	M	Tonsil	Unavailable	Unavailable	4	59	1.077	Living	1.077	DiseaseFree
TCGA_CN_5374	56	F	Tonsil	Unavailable	Unavailable	2	155	4.745	Deceased	4.745	Recurred/Progressed
TCGA_CN_A499	60	F	Tonsil	T1N0M0	I	1	40	1.964	Living	1.964	DiseaseFree
TCGA_CN_A49C	67	M	Tonsil	T4N1M0	III	3	47	1.767	Living	1.767	DiseaseFree
TCGA_CN_A6UY	57	M	Tongue Base	T3N1M0	II	4	37	1.953	Living	1.953	DiseaseFree
TCGA_CN_A6V1	59	M	Tonsil	T2N1M0	I	1	336	1.652	Living	1.652	DiseaseFree
TCGA_CN_A6V6	59	M	Tongue Base	T2N1M0	I	4	74	1.74	Living	1.74	DiseaseFree
TCGA_CN_A6V7	40	M	Tonsil	T2N1M0	I	1	49	1.627	Living	1.627	DiseaseFree
TCGA_CR_5243	51	M	Tonsil	T3N1M0	II	1	75	7.019	Living	7.019	DiseaseFree
TCGA_CR_5248	53	M	Tonsil	T4N2M0	III	2	308	4.556	Living	4.556	Recurred/Progressed
TCGA_CR_5249	35	F	Tonsil	T2N0M0	I	1	46	3.156	Living	3.156	DiseaseFree
TCGA_CR_5250	71	M	Tongue Base	T2N0M0	I	2	38	2.189	Living	2.189	DiseaseFree
TCGA_CR_6467	59	M	Tonsil	T2N1M0	I	4	43	4.868	Living	4.868	DiseaseFree
TCGA_CR_6470	38	M	Tonsil	T1N2M0	II	1	43	4.167	Living	4.167	DiseaseFree
TCGA_CR_6472	59	M	Tongue Base	T2N3M0	III	1	415	2.877	Living	2.877	DiseaseFree
TCGA_CR_6480	53	M	Tonsil	T2N1M0	I	1	101	0.992	Living	0.992	DiseaseFree
TCGA_CR_6481	47	M	Tonsil	T2N1M0	I	1	434	0.852	Living	0.852	DiseaseFree
TCGA_CR_6482	62	M	Tonsil	T2N1M0	I	4	41	0.945	Living	0.945	DiseaseFree
TCGA_CR_6487	50	M	Tonsil	T2N0M0	I	4	124	0.641	Living	0.641	DiseaseFree
TCGA_CR_7385	42	M	Tonsil	T2N1M0	I	3	47	2.732	Living	2.732	DiseaseFree
TCGA_CR_7404	53	M	Tonsil	T3N1M0	II	1	105	4.033	Deceased	4.033	Recurred/Progressed
TCGA_CV_7406	49	M	Tongue Base	T2N0M0	I	4	174	4.789	Deceased	Unavailable	Unavailable
TCGA_DQ_7590	51	M	Tonsil	T1N1M0	I	3	Unavailable	3.871	Living	3.871	DiseaseFree
TCGA_DQ_7591	62	M	Tongue Base	T4N1M0	III	3	36	1.704	Living	1.704	DiseaseFree
TCGA_DQ_7593	58	M	Tongue Base	T4N1M0	III	2	41	3.353	Living	3.353	DiseaseFree
TCGA_DQ_7594	47	M	Tongue Base	T4N3M0	III	1	Unavailable	3.337	Living	3.337	Recurred/Progressed
TCGA_DQ_7596	48	M	Tonsil	T2N1M0	I	1	37	3.466	Living	3.466	Recurred/Progressed
TCGA_H7_A76A	57	M	Tonsil	T2N1M0	I	4	72	1.745	Living	1.745	DiseaseFree

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TCGA_HD_7754	69	M	Tonsil	T2N1M0	I	4	56	2.145	Living	2.145	DiseaseFree
TCGA_HD_8314	58	M	Tongue Base	T1N1M0	I	1	64	1.836	Living	1.836	DiseaseFree
TCGA_HD_A634	56	M	Tonsil	T3N1M0	II	2	43	0.356	Deceased	0.356	Recurred/Progressed
TCGA_IQ_A61I	63	M	Oropharynx	T1N1M0	I	1	124	0.005	Deceased	0.005	DiseaseFree
TCGA_KU_A6H7	55	F	Tonsil	T2N1M0	I	4	151	1.605	Living	1.605	DiseaseFree
TCGA_MZ_A5BI	53	M	Tonsil	T2N1M0	I	Unavailable	40	0.595	Deceased	Unavailable	Unavailable
TCGA_MZ_A6I9	68	M	Tongue Base	T4N1M0	III	3	42	1.34	Deceased	1.34	Recurred/Progressed
TCGA_P3_A5Q5	54	M	Tonsil	Unavailable	Unavailable	4	255	2.493	Living	2.493	DiseaseFree
TCGA_P3_A5QE	49	M	Tongue Base	T1N1M0	I	1	42	4.271	Living	4.271	DiseaseFree
TCGA_P3_A6SW	50	M	Tonsil	T4N1M0	III	2	96	3.068	Living	3.068	DiseaseFree
TCGA_QK_A6IF	61	M	Tonsil	T1N1M0	I	1	27	1.929	Living	1.929	Recurred/Progressed
TCGA_QK_A6V9	56	M	Tonsil	T2N0M0	I	1	75	2.282	Living	2.282	DiseaseFree
TCGA_RS_A6TP	58	M	Tonsil	T2N0M0	I	4	122	1.414	Living	1.414	DiseaseFree
TCGA_T2_A6X0	49	M	Tonsil	T1N1M0	I	4	59	0.592	Living	0.592	DiseaseFree
TCGA_TN_A7HI	56	M	Tonsil	T1N0M0	I	2	63	1.129	Living	1.129	DiseaseFree