

**Supplementary Table 1. The details of GSEA on DOCK8 in patients with HPV-positive HNSCC.**

<b>Gene sets</b>	<b>Normalized enrichment scores</b>	<b><i>P</i>-value</b>	<b>FDR q value</b>
HALLMARK MYC TARGETS V1	2.81	0.00	0.00
HALLMARK OXIDATIVE PHOSPHORYLATION	2.17	0.00	0.00
HALLMARK MYC TARGETS V2	1.69	0.00	0.01
HALLMARK P53 PATHWAY	1.52	0.00	0.05
HALLMARK DNA REPAIR	1.33	0.00	0.12
HALLMARK ALLOGRAFT REJECTION	-2.13	0.00	0.00
HALLMARK INFLAMMATORY RESPONSE	-1.75	0.00	0.00
HALLMARK IL2 STAT5 SIGNALING	-1.66	0.00	0.00
HALLMARK IL6 JAK STAT3 SIGNALING	-1.62	0.00	0.00
HALLMARK MYOGENESIS	-1.61	0.00	0.00
HALLMARK KRAS SIGNALING UP	-1.51	0.00	0.02
HALLMARK COMPLEMENT	-1.50	0.00	0.02
HALLMARK INTERFERON GAMMA RESPONSE	-1.49	0.00	0.02
HALLMARK ANGIOGENESIS	-1.39	0.00	0.05