

SUPPLEMENTARY INFORMATION

PAICS/DYRK3 Multienzyme Interactions as Coregulators of Purinosome Formation and Metabolism on Radioresistance in Oral Squamous Cell Carcinoma

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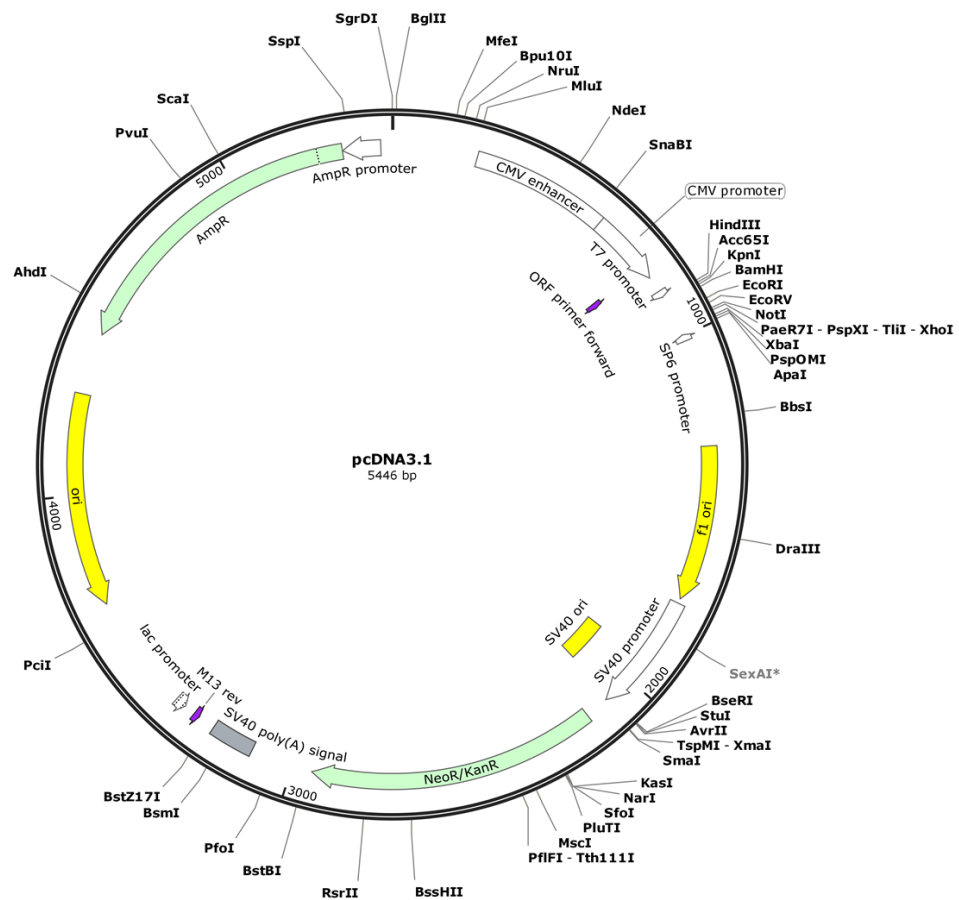
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Supplementary Table S1. Q-PCR primer list.

Primer	forward	reverse
DYRK3	CTGCAATCCTTCTGAACCACTC	CTACCTTCATCTCACCTCCATCC
PAICS	ACCACCTGGAAGGAAAAGCTGC	CGGTGCAATGAAAGCTGTCTCC
PPAT	GCGATTGAAGCACCTGTGGATG	CGGTTTTTACACAGCACCTCCAC
GIT2	GAGTTTGCCACGCTGGTCATTG	GACTCTCAACGCTGTGCTGGTT
ATM	TGTTCCAGGACACGAAGGGAGA	CAGGGTTCTCAGCACTATGGGA
β -Actin	CACCATGGCAATGAGCGGTTTC	AGGTCTTTGCGGATGTCCACGT

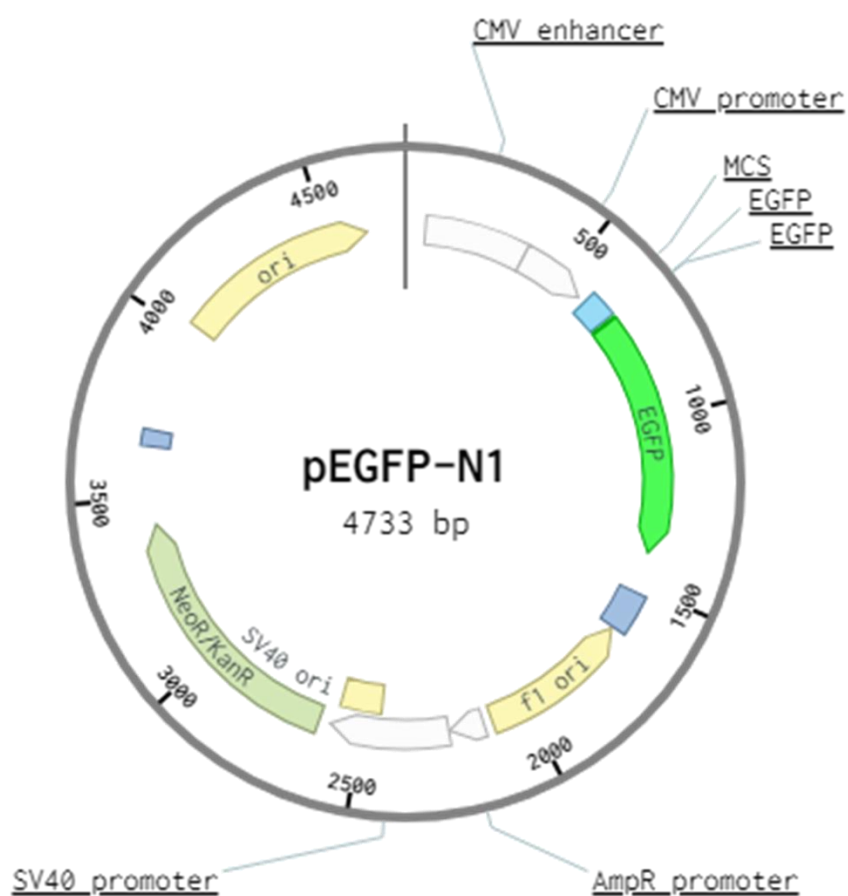
Supplementary Table S2. Antibody list.

Antibody	catalog number	source
DYRK3 mAb	ab96617	Abcam
PAICS mAb	ab151472	Abcam
PPAT mAb	ab248259	Abcam
Glut-1 mAb	ab115730	Abcam
β -Actin mAb	#4967	Cellsignaling



Primer	Sequence
DYRK3-ECOR1-forward	AATTGAATTCCTGCAATCCTTCTGAACCACCTC
DYRK3-Xba1-reversed	AATTCTAGACTACCTTCATCTCACCTCCATCC

Supplementary Figure S1: Overexpression of DYRK3 plasmid backbone and primer design.



Primer	Sequence
PAICS-ECOR1-forward	AATTGAATTCACCACTGGAAGGAAAAGCTGC
PAICS-BamH1-reversed	AATTGGATCCCGGTGCAATGAAAGCTGTCTCC
PPAT-ECOR1-forward	AATT GAATTCGCGATTGAAGCACCTGTGGATG
PPAT-BamH1-reversed	AATT GGATCCCGGTTTTTACACAGCACCTCCAC

Supplementary Figure S2: The fluorescent protein fusion vector PAICS-EGFP-N1 and PPAT-EGFP-N1.