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3 **SUPPLEMENTARY TABLES**
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7   SUPPLEMENTARY TABLE I
8   TP53 Sequencing Primers
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Primer	Primer Sequence
p53 Exon 4.1 F	5´-CCCATCTACAGTCCCCCTTG -3´
p53 Exon 4.1 R	5'-GGTGTAGGAGCTGCTGGTG-3'
p53 Exon 4.2 F	5´- CTGAAGACCCAGGTCCAGATGAA -3´
p53 Exon 4.2 R	5´- AACTGACCGTGCAAGTCACA -3´
p53 Exon 5.1 F	5´- CTTGTGCCCTGACTTTCAACTCTGTCTC -3´
p53 Exon 5.1 R	5´- CAGCGCCTCACAACCTCCGTCAT -3´
p53 Exon 5.2 F	5´- CTGTGCAGCTGTGGGTTGATTCCACACC -3´
p53 Exon 5.2 R	5´- TGGGCAACCAGCCCTGTCGTCTCTCCA -3´
p53 Exon 6 F	5´-CCAGGCCTCTGATTCCTCACTGATTGCTC-3´
p53 Exon 6 R	5´-GCCACTGACAACCACCCTTAACCCCTC-3´
p53 Exon 7 F	5´-GCCTCATCTTGGGCCTGTGTTATCTCC-3
p53 Exon 7 R	5´-GGCCAGTGTGCAGGGTGGCAAGTGGCTC-3´
p53 Exon 8 F	5´-GTAGGACCTGATTTCCTTACTGCCTCTTGC-3´
p53 Exon 8 R	5´-ATAACTGCACCCTTGGTCTCCTCCACCGC-3´
p53 Exon 9 F	5´-CACTTTTATCACCTTTCCTTGCCTCTTTCC-3´
p53 Exon 9 R	5´-AACTTTCCACTTGATAAGAGGTCCCAAGAC-3´

Abbreviations: F, Forward; R, Reverse.

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SUPPLEMENTARY TABLE II

Mutational Spectrum of *TP53* Point
Mutations in Advanced Larynx Cancer

Codon	Amino Acid Substitution
157	Valine to phenylalanine
158	Arginine to cysteine
163	Tyrosine to cysteine
167	Glutamine to stop codon
180	Glutamic acid to stop codon
193	Histidine to leucine
205	Tyrosine to cysteine
236	Tyrosine to cysteine
244	Glycine to cysteine
245	Glycine to valine
245	Glycine to alanine
249	Arginine to serine
282	Arginine to tryptophan
282	Arginine to tryptophan
293	Glutamic acid to stop codon
306	Arginine to stop codon
307	Alanine to threonine

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SUPPLEMENTARY TABLE III
Hazards Ratio Estimates of a Full Model for Prediction of Disease-Specific Survival

Parameter	Value	p-value	Hazard Ratio	95% Hazard Ratio Confidence Limits	
Cyclin D1		0.0486	3.650	1.008	13.218
Bcl-xL		0.1297	0.364	0.099	1.345
EAp53 Classification	H vs. WT	0.0247	9.109	1.324	62.653
EAp53 Classification	L vs. WT	ie.	ie	ie	ie
Stage	3 vs. 4	0.8209	1.237	0.196	7.825
Smoking Status	N vs. C	ie.	ie	ie	ie
Smoking Status	F vs. C	0.6986	0.552	0.027	11.152
HPV	Neg vs. Pos	0.0367	51.163	1.277	2050.548

H=High risk mutation; L=Low risk mutation; WT=Wild type TP53; N=Nonsmoker; C=Current smoker; F=Former smoker; ie= inestimable because zero events in the L group.

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SUPPLEMENTARY TABLE IV

Pairwaise Comparison of Disease Specific Survival of Patients with WT *TP53*
based on Cyclin D1 Staining, Bcl-xL Staining and HPV Status

Strata Comparison		Chi-Square	p-Values	
			Raw	Tukey-Kramer
High risk p53 mut	WT p53 high cyclinD1	0.0481	0.8264	0.9995
High risk p53 mut	WT p53 low cyclinD1	5.1372	**0.0234**	0.1558
High risk p53 mut	WT p53 no cyclinD1	5.4547	**0.0195**	0.1337
Low risk p53 mut	WT p53 high cyclinD1	4.6986	**0.0302**	0.192
Low risk p53 mut	WT p53 low cyclinD1	0.000165	0.9898	1
Low risk p53 mut	WT p53 no cyclinD1	0.0128	0.9098	1
WT p53 high cyclinD1	WT p53 low cyclinD1	3.8075	0.051	0.2902
WT p53 high cyclinD1	WT p53 no cyclinD1	4.0616	**0.0439**	0.2585
WT p53 low cyclinD1	WT p53 no cyclinD1	0.00816	0.928	1
High risk p53 mut	WT p53 HPVneg	0.3689	0.5436	0.9298
High risk p53 mut	WT p53 HPVpos	5.0895	**0.0241**	0.1085
Low risk p53 mut	WT p53 HPVneg	1.3761	0.2408	0.6439
Low risk p53 mut	WT p53 HPVpos	0.2105	0.6464	0.9679
WT p53 HPVneg	WT p53 HPVpos	1.6797	0.195	0.5654
High risk p53 mut	WT p53 high BclxL	1.9906	0.1583	0.6206
High risk p53 mut	WT p53 low BclxL	1.9683	0.1606	0.6257
High risk p53 mut	WT p53 no BclxL	6.7551	**0.0093**	0.0705
Low risk p53 mut	WT p53 high BclxL	0.7854	0.3755	0.9021
Low risk p53 mut	WT p53 low BclxL	0.8046	0.3697	0.8981
Low risk p53 mut	WT p53 no BclxL	0.000206	0.9886	1
WT p53 high BclxL	WT p53 low BclxL	0.000088	0.9925	1
WT p53 high BclxL	WT p53 no BclxL	0.7683	0.3808	0.9056
WT p53 low BclxL	WT p53 no BclxL	0.7898	0.3742	0.9012

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