

## LIST OF ABBREVIATIONS

<b>Abbreviation</b>	<b>Full form</b>
HNC	Head and Neck Cancer
NE	North East
BN	Betel Nut
BQ	Betel Quid
BaP	Benzo (a) pyrene
BPDE	Benzo (a) pyrene 001-Epoxide
NNK	4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone
ROS	Reactive Oxygen Species
PAHs	Polycyclic Aromatic Hydrocarbons
BQSN	Betel Quid-Specific Nitrosamines
SCC	Squamous Cell Carcinoma
Hr-HPV	High risk Human Papilloma Virus
OSF	Oral Sub mucous Fibrosis
IARC	International Agency for Research on Cancer
WHO	World Health Organization
TRC	Tobacco related cancer
µg	Micro gram
µl	Micro liter
µM	Micro mole
µm	Micrometer
<sup>0</sup> C	<sup>0</sup> Celsius.
RBC	Red Blood Cell
PCR	Polymerase Chain Reaction
RFLP	Restriction Fragment Length Polymorphism
CTPP	Confronting two-pair primers
NMPCR	Nested Multiplex PCR
SNP	Single Nucleotide Polymorphism
HC2	Hybrid Capture 2
CINs	Cervical Intraepithelial lesions

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STM	Specimen Transport Medium
RLU	Relative Light Units
FDA	Food and Drug Administration
ml	Milliliter
M	Molar
ng	Nano gram
bp	Base pair
dNTP	Deoxynucleotide tri phosphate
Taq	<i>Thermus aquaticus</i>
RsaI	<i>Rhodopseudomonas sphaeroides</i>
BsmAI	<i>Bacillus stearolthermophilus</i>
MspI	Moraxella species
PstI	<i>Providencia stuariii</i>
U	Unit
min	Minute
sec	Second
mM	Milli Molar
$\mu$ M	Micro Molar
Tris-Cl	Tris chloride
nt	Nucleotide
HWE	Hardy Weinberg Equilibrium
CI	Confidence Interval
OR	Odds ratio
CO	Cut off
SD	Standard division
n	Number
SPSS	Statistical Package for Social Sciences
$\chi^2$	Chi-square
LR	Logistic regression
CYP1A1	Cytochrome P4501A1
GSTM1	Glutathione S Transferase M1
GSTP1	Glutathione S Transferase P1
GSTT1	Glutathione S Transferase T1

MGMT	O6 methylguanine-DNA methyltransferase
XPD	Xeroderma Pigmentosum Group D
XRCC1	X-ray Repair Cross Complementing Group
ADH	Alcohol dehydrogenase
ALDH	Aldehyde dehydrogenase
EPHX	Epoxide hydrolases
NAT	N-acetyltransferase
IHC	Immunohistochemistry
Rb	Retinoblastoma
TAE	Tris Acetic Acid EDTA
EDTA	Ethylenediaminetetraacetic acid
PBS	Phosphate buffer saline
H <sub>2</sub> O <sub>2</sub>	Hydrogen peroxide
BSA	Bovine Serum Albumin
DAB	3,3'-diaminobenzidine
HRP	Horseradish peroxidase

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