Top mutated genes (tier 1) of thyroid cancer are (n=50):

Asia:  
BRAF (98.2408%)  
NRAS (0.524%)  
TSHR (0.3119%)  
AXIN1 (0.2246%)  
KRAS (0.1248%)  
EGFR (0.0998%)  
GNAS (0.0998%)  
PIK3CA (0.0749%)  
HRAS (0.0749%)  
PTEN (0.0374%)  
APC (0.0374%)  
DICER1 (0.0374%)  
AKT1 (0.025%)  
ATM (0.025%)  
CTNNB1 (0.0125%)  
TP53 (0.0125%)  
ALK (0.0125%)  
KMT2A (0.0125%)  
FLT3 (0.0125%)  
  
  
The world:  
BRAF (68.1518%)  
RET (3.0301%)  
NRAS (2.489%)  
TP53 (1.0769%)  
HRAS (1.2115%)  
TSHR (0.9212%)  
KRAS (0.6229%)  
PIK3CA (0.5596%)  
KMT2C (0.2877%)  
HLA-A (0.132%)  
PTEN (0.2851%)  
NOTCH1 (0.2244%)  
NCOR2 (0.1742%)  
ATM (0.2191%)  
LRP1B (0.1557%)  
KMT2D (0.1584%)  
CTNNB1 (0.1373%)  
APC (0.1874%)  
GNAS (0.1927%)  
ARID1B (0.1399%)  
NF1 (0.1742%)  
MED12 (0.1478%)  
USP6 (0.1214%)  
ZFHX3 (0.1373%)  
NOTCH2 (0.1373%)  
TSC2 (0.1293%)  
ARID1A (0.1478%)  
PDE4DIP (0.1109%)  
POLE (0.1188%)  
TRRAP (0.1029%)  
AXIN1 (0.1109%)  
RBM10 (0.1636%)  
MTOR (0.1135%)  
SMARCA4 (0.1293%)  
RB1 (0.1557%)  
DICER1 (0.1505%)  
CREBBP (0.132%)  
ATRX (0.0924%)  
DNMT3A (0.132%)  
BRD4 (0.1109%)  
CDKN2A (0.1346%)  
CBFA2T3 (0.0739%)  
KMT2A (0.1161%)  
NCOR1 (0.1003%)  
BRCA2 (0.1082%)  
BCOR (0.1267%)  
PBRM1 (0.0924%)  
ARID2 (0.1029%)  
KDM5C (0.0792%)  
ALK (0.0977%)  
AR (0.1029%)  
MEN1 (0.1082%)  
TERT (0.0977%)  
MSH2 (0.095%)  
ATR (0.0924%)  
AKT1 (0.1056%)  
BCL11B (0.0871%)  
PER1 (0.0818%)  
RNF213 (0.0739%)  
POLD1 (0.0818%)  
SPEN (0.0845%)  
ROS1 (0.0845%)  
MYO5A (0.0845%)  
MN1 (0.0845%)  
NF2 (0.095%)  
EGFR (0.0897%)  
TBX3 (0.0686%)  
BCL9L (0.0713%)  
MYH11 (0.0792%)  
LMNA (0.0818%)  
KEAP1 (0.0845%)  
PCM1 (0.0765%)  
JAK1 (0.0765%)  
ASXL1 (0.0792%)  
FAT1 (0.0845%)  
STAG2 (0.0845%)  
TRIP11 (0.0581%)  
CNTRL (0.0739%)  
JAK3 (0.0792%)  
CARD11 (0.0633%)  
BCORL1 (0.0765%)  
NUP98 (0.0765%)  
CIC (0.0739%)  
CDH1 (0.066%)  
CLIP1 (0.0554%)  
MET (0.0792%)  
LZTR1 (0.0607%)  
PTPRT (0.066%)  
JAK2 (0.0765%)  
MAML2 (0.0502%)  
COL2A1 (0.0607%)  
SDHA (0.066%)  
SMAD4 (0.0686%)  
USP8 (0.066%)  
TET2 (0.0686%)  
FLT4 (0.0713%)  
DNM2 (0.0713%)  
AFF3 (0.066%)  
IDH1 (0.0739%)  
MRTFA (0.0502%)  
CLTCL1 (0.0528%)  
SETD2 (0.0686%)  
STK11 (0.0686%)  
FANCD2 (0.0686%)  
SND1 (0.0713%)  
TCF3 (0.0554%)  
NUMA1 (0.0554%)  
DAXX (0.0713%)  
TSC1 (0.0607%)  
KDM6A (0.0713%)  
TRIM24 (0.0581%)  
PRDM16 (0.066%)  
FGFR3 (0.0607%)  
CREB3L2 (0.0633%)  
GRIN2A (0.066%)  
PTCH1 (0.0686%)  
NTRK3 (0.0607%)  
TPR (0.0502%)  
WRN (0.0581%)  
NKX2-1 (0.066%)  
FCGR2B (0.0633%)  
AKT2 (0.0607%)  
BRCA1 (0.0633%)  
MAP3K1 (0.0607%)  
GNAQ (0.0422%)  
CUX1 (0.0581%)  
FANCA (0.0581%)  
FGFR4 (0.0581%)  
FBXO11 (0.0528%)  
SFPQ (0.0581%)  
MLLT1 (0.0581%)  
PML (0.0633%)  
NSD2 (0.0475%)  
PDGFRB (0.0502%)  
PMS2 (0.0502%)  
NSD1 (0.0607%)  
BCL6 (0.0422%)  
UBR5 (0.0396%)  
NUP214 (0.0554%)  
CRTC1 (0.0502%)  
HNF1A (0.0528%)  
SS18L1 (0.0528%)  
POLQ (0.0449%)  
FGFR1 (0.0528%)  
POT1 (0.0528%)  
NTRK1 (0.0581%)  
NUTM2B (0.0475%)  
P2RY8 (0.0422%)  
CHD4 (0.0528%)  
BLM (0.0581%)  
MYH9 (0.0502%)  
BCR (0.0554%)  
TET1 (0.0475%)  
COL1A1 (0.0502%)  
RECQL4 (0.0502%)  
NAB2 (0.0528%)  
SRC (0.0449%)  
VHL (0.0554%)  
CHEK2 (0.0554%)  
SMO (0.0475%)  
NR4A3 (0.0475%)  
NUTM1 (0.0475%)  
LATS1 (0.0502%)  
PTPN13 (0.0475%)  
EP300 (0.0475%)  
SF3B1 (0.0528%)  
GPC3 (0.0422%)  
ERBB3 (0.0422%)  
ATP2B3 (0.0475%)  
MAP2K1 (0.0422%)  
PREX2 (0.0528%)  
WT1 (0.0528%)  
KDR (0.0449%)  
ACVR1B (0.0475%)  
DDX10 (0.0396%)  
CDKN2C (0.0528%)  
AXIN2 (0.0502%)  
TFEB (0.0396%)  
LATS2 (0.0502%)  
STAT5B (0.0343%)  
SMARCB1 (0.0449%)  
BRIP1 (0.0396%)  
TRIM33 (0.0449%)  
POU5F1 (0.0449%)  
NFATC2 (0.037%)  
LRIG3 (0.037%)  
FBXW7 (0.0475%)  
TCF7L2 (0.037%)  
KDM5A (0.0422%)  
MUTYH (0.0475%)  
FOXO3 (0.037%)  
BRD3 (0.0449%)  
MSH6 (0.0396%)  
FES (0.0422%)  
FANCC (0.037%)  
NFKB2 (0.0396%)  
ASPSCR1 (0.0449%)  
DCTN1 (0.0449%)  
PAX8 (0.0449%)  
ELF4 (0.0396%)  
MAP2K4 (0.0449%)  
PRKAR1A (0.0396%)  
KNL1 (0.0396%)  
EWSR1 (0.0449%)  
FLCN (0.037%)  
ABL2 (0.0422%)  
SMAD3 (0.0317%)  
CCDC6 (0.0422%)  
ERBB2 (0.0396%)  
PTPRB (0.037%)  
TFE3 (0.037%)  
DROSHA (0.037%)  
MUC1 (0.0396%)  
RABEP1 (0.029%)  
IKBKB (0.0422%)  
ERBB4 (0.0317%)  
STRN (0.0422%)  
HSP90AB1 (0.0238%)  
AMER1 (0.029%)  
NBN (0.0343%)  
PHOX2B (0.0396%)  
ZMYM2 (0.0343%)  
CALR (0.0396%)  
SETBP1 (0.0396%)  
CTCF (0.0343%)  
MLLT3 (0.0396%)  
MPL (0.0343%)  
STAT3 (0.0343%)  
CYLD (0.0396%)  
GATA2 (0.0343%)  
PATZ1 (0.0396%)  
NCOA2 (0.0343%)  
MAP2K2 (0.037%)  
FAT4 (0.0317%)  
ETV1 (0.0317%)  
SMARCE1 (0.0317%)  
MYOD1 (0.0317%)  
BCL9 (0.037%)  
PIK3R1 (0.029%)  
CBFB (0.0317%)  
SH2B3 (0.037%)  
SALL4 (0.0264%)  
ABL1 (0.0317%)  
SH3GL1 (0.0317%)  
TMPRSS2 (0.0317%)  
ESR1 (0.037%)  
HIP1 (0.0317%)  
NFKBIE (0.0264%)  
PPP2R1A (0.0317%)  
HOXA11 (0.0317%)  
IDH2 (0.029%)  
ARHGEF12 (0.0343%)  
ELL (0.0343%)  
RARA (0.0343%)  
SLC34A2 (0.0343%)  
MAFB (0.0343%)  
EML4 (0.029%)  
MECOM (0.0317%)  
AFDN (0.0264%)  
AFF1 (0.0343%)  
NSD3 (0.0343%)  
AFF4 (0.0317%)  
CCND3 (0.0317%)  
CLTC (0.029%)  
ERCC4 (0.0343%)  
ERCC2 (0.029%)  
SUFU (0.029%)  
PTPRC (0.029%)  
CIITA (0.0264%)  
EXT1 (0.0317%)  
PRDM1 (0.0317%)  
CACNA1D (0.0317%)  
PTPRK (0.0264%)  
FOXO1 (0.0317%)  
RUNX1T1 (0.0264%)  
PTK6 (0.0317%)  
SS18 (0.0317%)  
DDB2 (0.0264%)  
SFRP4 (0.0317%)  
XPC (0.0264%)  
IRF4 (0.0317%)  
FOXP1 (0.0317%)  
FLT3 (0.0264%)  
CBLC (0.0211%)  
RAP1GDS1 (0.0264%)  
FUBP1 (0.0317%)  
PLCG1 (0.0264%)  
ETV5 (0.0264%)  
FAS (0.029%)  
NIN (0.029%)  
KAT6A (0.029%)  
HSP90AA1 (0.0238%)  
CASP8 (0.029%)  
SUZ12 (0.029%)  
WAS (0.029%)  
EBF1 (0.0238%)  
ATP1A1 (0.029%)  
BARD1 (0.029%)  
EZH2 (0.029%)  
RAD51B (0.029%)  
EPS15 (0.0264%)  
CDK12 (0.0264%)  
PALB2 (0.029%)  
KIF5B (0.0238%)  
BAP1 (0.029%)  
CRLF2 (0.029%)  
EIF3E (0.029%)  
RAD21 (0.0238%)  
FGFR2 (0.0238%)  
MAF (0.029%)  
BTK (0.029%)  
PAX5 (0.0264%)  
IKZF1 (0.0264%)  
CAMTA1 (0.0264%)  
DDX6 (0.0264%)  
PPM1D (0.0211%)  
ERG (0.0264%)  
LCK (0.0211%)  
IL6ST (0.0264%)  
CDX2 (0.0211%)  
TP63 (0.0264%)  
MALT1 (0.0264%)  
MSI2 (0.0211%)  
HERPUD1 (0.0264%)  
FANCG (0.0264%)  
CDK6 (0.0264%)  
MLLT10 (0.0264%)  
TRIM27 (0.0211%)  
BUB1B (0.0264%)  
NFE2L2 (0.0264%)  
KIT (0.0158%)  
DDR2 (0.0264%)  
RUNX1 (0.0264%)  
IL7R (0.0238%)  
LASP1 (0.0158%)  
PDGFRA (0.0238%)  
CD79B (0.0238%)  
RNF43 (0.0211%)  
ETNK1 (0.0238%)  
CARS (0.0238%)  
MAP3K13 (0.0238%)  
KAT6B (0.0211%)  
CSF3R (0.0211%)  
CEBPA (0.0238%)  
NUTM2D (0.0185%)  
TPM4 (0.0238%)  
FOXL2 (0.0238%)  
FH (0.0238%)  
DDX3X (0.0238%)  
SRSF3 (0.0238%)  
LYL1 (0.0238%)  
TNFAIP3 (0.0238%)  
PPFIBP1 (0.0158%)  
STAT6 (0.0238%)  
GNA11 (0.0238%)  
MDM4 (0.0238%)  
PTPN11 (0.0238%)  
HOXC13 (0.0238%)  
WWTR1 (0.0238%)  
HIF1A (0.0238%)  
CDKN1B (0.0238%)  
RANBP2 (0.0238%)  
SOX2 (0.0185%)  
CDH11 (0.0211%)  
ETV4 (0.0158%)  
LMO2 (0.0211%)  
STIL (0.0211%)  
CCNE1 (0.0211%)  
FUS (0.0211%)  
FCRL4 (0.0185%)  
SYK (0.0211%)  
SRSF2 (0.0211%)  
PHF6 (0.0211%)  
SOCS1 (0.0211%)  
FIP1L1 (0.0211%)  
EPAS1 (0.0211%)  
PSIP1 (0.0211%)  
MSN (0.0211%)  
KTN1 (0.0158%)  
FOXA1 (0.0211%)  
LEF1 (0.0211%)  
GATA1 (0.0211%)  
FLI1 (0.0211%)  
BMPR1A (0.0211%)  
PRF1 (0.0158%)  
U2AF1 (0.0211%)  
NCOA1 (0.0132%)  
CCNB1IP1 (0.0132%)  
POU2AF1 (0.0185%)  
RAF1 (0.0185%)  
TPM3 (0.0185%)  
CREB3L1 (0.0185%)  
TLX3 (0.0185%)  
XPA (0.0185%)  
ERCC5 (0.0185%)  
ETV6 (0.0185%)  
FGFR1OP (0.0185%)  
ACVR2A (0.0185%)  
LPP (0.0185%)  
CBL (0.0185%)  
GOPC (0.0185%)  
TAL1 (0.0185%)  
HMGA1 (0.0185%)  
MDM2 (0.0185%)  
PAX7 (0.0132%)  
EXT2 (0.0185%)  
SDHC (0.0185%)  
ARNT (0.0185%)  
ARHGAP26 (0.0185%)  
CBLB (0.0185%)  
ERCC3 (0.0185%)  
TGFBR2 (0.0185%)  
SDHD (0.0185%)  
LIFR (0.0185%)  
PPARG (0.0185%)  
XPO1 (0.0185%)  
RPL5 (0.0079%)  
RAC1 (0.0185%)  
HOXC11 (0.0132%)  
CNOT3 (0.0158%)  
HOXD13 (0.0158%)  
SDC4 (0.0158%)  
GPHN (0.0158%)  
NT5C2 (0.0158%)  
KDSR (0.0158%)  
YWHAE (0.0158%)  
BCL7A (0.0106%)  
CDC73 (0.0132%)  
CANT1 (0.0158%)  
APOBEC3B (0.0106%)  
MYD88 (0.0158%)  
DNAJB1 (0.0158%)  
RPN1 (0.0158%)  
SBDS (0.0158%)  
PDGFB (0.0158%)  
MLH1 (0.0158%)  
FANCF (0.0158%)  
KLF6 (0.0132%)  
GATA3 (0.0106%)  
MYB (0.0106%)  
KCNJ5 (0.0132%)  
MAPK1 (0.0132%)  
CCND1 (0.0132%)  
BIRC3 (0.0132%)  
ABI1 (0.0132%)  
ZNF521 (0.0132%)  
ATIC (0.0132%)  
EZR (0.0132%)  
MYCL (0.0106%)  
OLIG2 (0.0132%)  
TNFRSF14 (0.0106%)  
MITF (0.0132%)  
PPP6C (0.0132%)  
NPM1 (0.0132%)  
BCL3 (0.0132%)  
SDHB (0.0132%)  
CD79A (0.0132%)  
IL21R (0.0132%)  
BTG1 (0.0132%)  
PBX1 (0.0132%)  
ZRSR2 (0.0132%)  
TRAF7 (0.0132%)  
MYCN (0.0132%)  
PDCD1LG2 (0.0132%)  
PIK3CB (0.0132%)  
NRG1 (0.0106%)  
ACSL3 (0.0106%)  
GOLGA5 (0.0106%)  
EIF4A2 (0.0106%)  
TCF12 (0.0106%)  
HNRNPA2B1 (0.0106%)  
NDRG1 (0.0106%)  
ITK (0.0106%)  
H3F3A (0.0106%)  
IKZF3 (0.0106%)  
FEV (0.0053%)  
TBL1XR1 (0.0106%)  
NFIB (0.0106%)  
KLK2 (0.0106%)  
HOXD11 (0.0106%)  
HOOK3 (0.0106%)  
TOP1 (0.0106%)  
QKI (0.0106%)  
SMAD2 (0.0106%)  
KLF4 (0.0106%)  
CD274 (0.0106%)  
WIF1 (0.0106%)  
SLC45A3 (0.0106%)  
SPOP (0.0106%)  
CCND2 (0.0106%)  
TENT5C (0.0106%)  
BCL11A (0.0106%)  
PLAG1 (0.0079%)  
PRCC (0.0079%)  
GAS7 (0.0079%)  
RBM15 (0.0079%)  
ELK4 (0.0079%)  
MAX (0.0079%)  
REL (0.0079%)  
NONO (0.0079%)  
FANCE (0.0079%)  
PAFAH1B2 (0.0079%)  
DDX5 (0.0079%)  
TMEM127 (0.0079%)  
PICALM (0.0079%)  
ARHGAP35 (0.0053%)  
ATF1 (0.0053%)  
RPL10 (0.0053%)  
RPL22 (0.0053%)  
SSX1 (0.0053%)  
HEY1 (0.0053%)  
SSX4 (0.0053%)  
MTCP1 (0.0053%)  
IRS4 (0.0053%)  
LMO1 (0.0053%)  
MLLT11 (0.0053%)  
ACVR1 (0.0053%)  
TCEA1 (0.0053%)  
HMGA2 (0.0053%)  
HLF (0.0053%)  
PRKACA (0.0053%)  
FHIT (0.0053%)  
FOXO4 (0.0053%)  
ZNF384 (0.0053%)  
TFG (0.0026%)  
CNBP (0.0026%)  
H3F3B (0.0026%)  
BCL2 (0.0026%)  
DEK (0.0026%)  
BCL10 (0.0026%)  
HOXA9 (0.0026%)  
FSTL3 (0.0026%)  
B2M (0.0026%)  
RHOA (0.0026%)  
TLX1 (0.0026%)  
PIM1 (0.0026%)  
JUN (0.0026%)  
DDIT3 (0.0026%)  
RHOH (0.0026%)  
CRTC3 (0.0026%)  
ZNF331 (0.0026%)  
ZBTB16 (0.0026%)  
SDHAF2 (0.0026%)  
CD74 (0.0026%)  
PAX3 (0.0026%)  
HOXA13 (0.0026%)  
MYC (0.0026%)  
ERC1 (0.0026%)