Potential panel genes of lung cancer are (n=50):

Asia:  
EGFR (84.4751%)  
KRAS (5.5043%)  
TP53 (3.1376%)  
MET (2.5404%)  
PIK3CA (1.4331%)  
LRP1B (1.0205%)  
BRAF (0.9554%)  
ERBB2 (0.608%)  
NFE2L2 (0.5754%)  
AKT1 (0.5645%)  
STK11 (0.4994%)  
PTEN (0.4126%)  
FAT4 (0.3691%)  
KMT2D (0.2931%)  
KEAP1 (0.2823%)  
KMT2C (0.2606%)  
RB1 (0.2497%)  
ERBB4 (0.2497%)  
NF1 (0.2388%)  
TET2 (0.228%)  
CREBBP (0.2171%)  
ALK (0.2171%)  
CTNNB1 (0.2171%)  
ZFHX3 (0.2063%)  
ZNF521 (0.2063%)  
KDR (0.1954%)  
SMARCA4 (0.1846%)  
TPR (0.1846%)  
FBXW7 (0.1846%)  
POLQ (0.1737%)  
RNF213 (0.1737%)  
ATM (0.1737%)  
PDE4DIP (0.1628%)  
ROS1 (0.1628%)  
TSC2 (0.1628%)  
PREX2 (0.152%)  
SETD2 (0.152%)  
ARID1A (0.152%)  
DDR2 (0.152%)  
BRCA2 (0.1411%)  
PTPRC (0.1411%)  
NCOR1 (0.1411%)  
MTOR (0.1303%)  
MED12 (0.1194%)  
SPEN (0.1194%)  
RBM10 (0.1086%)  
ARID1B (0.0977%)  
ASXL1 (0.0651%)  
CLIP1 (0.0434%)  
IKBKB (0.0109%)  
  
  
The world:  
EGFR (62.2044%)  
KRAS (17.2537%)  
TP53 (13.6207%)  
LRP1B (2.2565%)  
PIK3CA (2.2107%)  
MET (1.6803%)  
STK11 (1.8032%)  
KEAP1 (1.7333%)  
BRAF (1.7526%)  
KMT2D (1.3838%)  
RB1 (1.567%)  
KMT2C (1.2319%)  
ARID1A (1.3307%)  
ALK (1.0969%)  
NF1 (1.2488%)  
FAT1 (1.1644%)  
ERBB4 (1.0294%)  
PTPRT (0.933%)  
FAT4 (1.0318%)  
ATM (1.0414%)  
SMARCA4 (1.0414%)  
ERBB2 (1.0993%)  
CDKN2A (1.0439%)  
NTRK3 (0.9113%)  
GRIN2A (0.8751%)  
ZFHX3 (0.757%)  
KDR (0.8462%)  
NOTCH1 (0.8124%)  
PTEN (0.8197%)  
APC (0.769%)  
PDGFRA (0.7546%)  
EML4 (0.2073%)  
CREBBP (0.7642%)  
ROS1 (0.7015%)  
RNF213 (0.6147%)  
ATRX (0.6919%)  
PDE4DIP (0.6316%)  
NFE2L2 (0.6871%)  
RBM10 (0.6678%)  
ZNF521 (0.593%)  
FLT4 (0.6244%)  
PREX2 (0.6027%)  
SETD2 (0.622%)  
SETBP1 (0.6364%)  
PTPRB (0.5858%)  
MTOR (0.6292%)  
BRCA2 (0.6123%)  
MED12 (0.581%)  
NOTCH2 (0.6147%)  
ATR (0.5834%)  
CARD11 (0.5569%)  
EP300 (0.5762%)  
POLQ (0.5472%)  
KMT2A (0.5689%)  
TRRAP (0.5087%)  
TSC2 (0.5111%)  
POLE (0.54%)  
RET (0.5496%)  
CTNNB1 (0.5424%)  
CHEK2 (0.3182%)  
ARID2 (0.5496%)  
RUNX1T1 (0.5448%)  
NCOR2 (0.4629%)  
ARID1B (0.5376%)  
AMER1 (0.4725%)  
SPEN (0.446%)  
DDR2 (0.5207%)  
CAMTA1 (0.4243%)  
NCOR1 (0.4749%)  
NSD1 (0.4725%)  
TET1 (0.4797%)  
AR (0.4677%)  
KIT (0.4677%)  
BRCA1 (0.4532%)  
BCOR (0.4508%)  
MYH11 (0.4291%)  
DNMT3A (0.4556%)  
PTPRC (0.4315%)  
NTRK1 (0.4556%)  
SMAD4 (0.4508%)  
TPR (0.4412%)  
FBXW7 (0.4484%)  
TSHR (0.393%)  
IL7R (0.4195%)  
JAK2 (0.4098%)  
ASXL1 (0.3592%)  
PDGFRB (0.3761%)  
DICER1 (0.4074%)  
TET2 (0.4267%)  
GNAS (0.393%)  
STAG2 (0.3857%)  
FLT3 (0.3978%)  
NRAS (0.4122%)  
CDH11 (0.364%)  
BCORL1 (0.3713%)  
UBR5 (0.3471%)  
RANBP2 (0.3616%)  
AKT1 (0.3375%)  
PTCH1 (0.3785%)  
KDM6A (0.3785%)  
IKZF1 (0.352%)  
MYH9 (0.3423%)  
TBX3 (0.352%)  
PRDM16 (0.2893%)  
AFF3 (0.3255%)  
PBRM1 (0.3423%)  
RECQL4 (0.3182%)  
TERT (0.3544%)  
ATP2B3 (0.3351%)  
COL2A1 (0.3086%)  
KDM5C (0.3544%)  
JAK3 (0.3327%)  
SND1 (0.2917%)  
WT1 (0.3399%)  
FANCA (0.3327%)  
IRS4 (0.2989%)  
USP6 (0.2796%)  
SF3B1 (0.3303%)  
DROSHA (0.2941%)  
CUX1 (0.2748%)  
KDM5A (0.3303%)  
BTK (0.2941%)  
NCOA2 (0.3038%)  
CACNA1D (0.27%)  
TP63 (0.3062%)  
BRIP1 (0.3255%)  
ERBB3 (0.3086%)  
NIN (0.2989%)  
EBF1 (0.2845%)  
KAT6A (0.3013%)  
MAP3K1 (0.2941%)  
ITK (0.2893%)  
PTPRK (0.2796%)  
FGFR1 (0.2772%)  
ABL2 (0.2893%)  
ARHGAP35 (0.2917%)  
FCRL4 (0.2893%)  
JAK1 (0.2555%)  
ESR1 (0.2555%)  
WRN (0.2821%)  
FGFR4 (0.2796%)  
NUP214 (0.2845%)  
SMO (0.2845%)  
PALB2 (0.2796%)  
LATS1 (0.2821%)  
TSC1 (0.2555%)  
ERCC5 (0.2772%)  
COL1A1 (0.2483%)  
HLA-A (0.2097%)  
GATA3 (0.2652%)  
CDK12 (0.2676%)  
FGFR2 (0.2748%)  
BCR (0.2363%)  
BCL11A (0.2531%)  
AFDN (0.2652%)  
ARHGEF12 (0.2483%)  
MAP3K13 (0.2435%)  
LATS2 (0.2676%)  
BCL11B (0.2579%)  
CIC (0.2604%)  
ABL1 (0.2555%)  
MYO5A (0.2555%)  
SDHA (0.2483%)  
MSH6 (0.2724%)  
POLD1 (0.2435%)  
HIP1 (0.2338%)  
NBN (0.2411%)  
BLM (0.2387%)  
LIFR (0.2507%)  
CIITA (0.2387%)  
TRIP11 (0.2435%)  
PAX5 (0.2459%)  
CBLB (0.2507%)  
MEN1 (0.2652%)  
CBL (0.2483%)  
CDC73 (0.2507%)  
NRG1 (0.2411%)  
KAT6B (0.2435%)  
LPP (0.2121%)  
PTPN13 (0.2483%)  
BARD1 (0.2459%)  
GAS7 (0.229%)  
BCL9L (0.2363%)  
NUTM1 (0.229%)  
NCOA1 (0.2314%)  
MECOM (0.2314%)  
RUNX1 (0.217%)  
CLTCL1 (0.2049%)  
PPP2R1A (0.2363%)  
CLIP1 (0.2049%)  
NFATC2 (0.2242%)  
ETV6 (0.188%)  
POT1 (0.2218%)  
MSH2 (0.2218%)  
TGFBR2 (0.2097%)  
HNF1A (0.2242%)  
RNF43 (0.2049%)  
BRD4 (0.2314%)  
KNL1 (0.2025%)  
MAP2K1 (0.2266%)  
AXIN2 (0.2194%)  
NF2 (0.2146%)  
NUMA1 (0.2073%)  
FANCD2 (0.2001%)  
PMS2 (0.2073%)  
P2RY8 (0.2025%)  
PCM1 (0.188%)  
AXIN1 (0.1977%)  
ETV1 (0.2097%)  
U2AF1 (0.217%)  
NUP98 (0.2146%)  
CDH1 (0.2146%)  
PTPN11 (0.2194%)  
CSF3R (0.2097%)  
ERC1 (0.1904%)  
CHD4 (0.2049%)  
DCTN1 (0.1688%)  
CNTRL (0.2121%)  
BCL6 (0.1904%)  
NSD2 (0.2001%)  
MAML2 (0.1784%)  
SYK (0.1591%)  
FGFR3 (0.1736%)  
PIK3R1 (0.2001%)  
SALL4 (0.1977%)  
NSD3 (0.1856%)  
USP8 (0.2001%)  
CBFA2T3 (0.176%)  
IDH1 (0.1977%)  
FOXP1 (0.1832%)  
ERCC2 (0.1929%)  
SLC34A2 (0.1904%)  
GATA2 (0.1929%)  
GPHN (0.1591%)  
RSPO2 (0.1663%)  
EXT2 (0.1856%)  
PML (0.188%)  
ERCC4 (0.1929%)  
MLLT10 (0.188%)  
FLI1 (0.1856%)  
AFF1 (0.1663%)  
LZTR1 (0.1856%)  
IKBKB (0.1422%)  
RAD21 (0.1904%)  
PER1 (0.1808%)  
IL21R (0.1904%)  
PIK3CB (0.1904%)  
IRF4 (0.1808%)  
MN1 (0.1808%)  
AKT2 (0.1736%)  
MLLT3 (0.1712%)  
KTN1 (0.1856%)  
PRDM1 (0.1784%)  
RAD51B (0.1712%)  
STIL (0.1832%)  
CLTC (0.1663%)  
PAX3 (0.176%)  
PBX1 (0.1736%)  
TNFAIP3 (0.1736%)  
TRIM24 (0.1712%)  
MUTYH (0.1712%)  
BAP1 (0.1736%)  
CASP8 (0.1663%)  
FH (0.176%)  
MPL (0.1712%)  
NKX2-1 (0.1615%)  
PPFIBP1 (0.1615%)  
LRIG3 (0.1712%)  
STRN (0.1591%)  
MSN (0.1543%)  
EZH2 (0.1615%)  
GPC3 (0.1688%)  
B2M (0.1567%)  
MYB (0.1688%)  
DAXX (0.1567%)  
CYLD (0.1519%)  
ZBTB16 (0.1639%)  
MLH1 (0.1591%)  
AFF4 (0.1543%)  
TOP1 (0.1519%)  
PHOX2B (0.1615%)  
EXT1 (0.135%)  
PAX7 (0.1446%)  
ERCC3 (0.1615%)  
TCF7L2 (0.1543%)  
MYCN (0.1519%)  
TCF3 (0.1543%)  
ERG (0.1446%)  
RAF1 (0.1446%)  
RARA (0.1495%)  
GATA1 (0.1398%)  
CCNE1 (0.1446%)  
TRIM33 (0.1471%)  
MALT1 (0.1519%)  
FCGR2B (0.1495%)  
ATIC (0.1398%)  
MRTFA (0.135%)  
MAP2K4 (0.1471%)  
XPO1 (0.1374%)  
CTCF (0.1398%)  
RAP1GDS1 (0.135%)  
DDX3X (0.1374%)  
CRLF2 (0.1398%)  
BCL9 (0.1471%)  
MYOD1 (0.1543%)  
XPC (0.1326%)  
TRAF7 (0.1398%)  
FIP1L1 (0.1422%)  
REL (0.1398%)  
CARS (0.135%)  
STAT3 (0.1446%)  
FUBP1 (0.1398%)  
DDX10 (0.1326%)  
QKI (0.1374%)  
RBM15 (0.1398%)  
MITF (0.135%)  
SUFU (0.1398%)  
FLCN (0.1446%)  
WAS (0.1157%)  
TCF12 (0.1254%)  
FOXO1 (0.1302%)  
EWSR1 (0.1326%)  
CREB3L2 (0.1326%)  
FANCC (0.135%)  
KCNJ5 (0.135%)  
DNM2 (0.1205%)  
TBL1XR1 (0.1229%)  
PICALM (0.1205%)  
TAL1 (0.1326%)  
FOXL2 (0.1326%)  
NR4A3 (0.1326%)  
MAX (0.1278%)  
ACVR1B (0.1254%)  
EIF4A2 (0.1302%)  
CCND2 (0.1254%)  
PRF1 (0.1326%)  
ELF4 (0.1133%)  
MDM4 (0.1254%)  
SMAD2 (0.1326%)  
ARHGAP26 (0.1085%)  
PRRX1 (0.1133%)  
LEF1 (0.1229%)  
ZNF331 (0.1278%)  
FBXO11 (0.1205%)  
BUB1B (0.1181%)  
ZMYM2 (0.1085%)  
LCK (0.1205%)  
HIST1H3B (0.1278%)  
PAX8 (0.1037%)  
PLCG1 (0.1181%)  
SRC (0.1205%)  
SUZ12 (0.1181%)  
TENT5C (0.1061%)  
EPS15 (0.1157%)  
SMARCB1 (0.1085%)  
KLK2 (0.1205%)  
BMPR1A (0.1205%)  
SSX1 (0.094%)  
SFRP4 (0.1109%)  
HRAS (0.1133%)  
EPAS1 (0.1085%)  
RSPO3 (0.1085%)  
FHIT (0.0651%)  
GNAQ (0.1085%)  
PSIP1 (0.0988%)  
CXCR4 (0.1109%)  
FOXA1 (0.1133%)  
ACVR1 (0.1061%)  
MYC (0.1109%)  
CRTC3 (0.0892%)  
WIF1 (0.1061%)  
ETV5 (0.1109%)  
SMAD3 (0.1109%)  
GOLGA5 (0.1085%)  
IDH2 (0.0796%)  
ELL (0.094%)  
TMPRSS2 (0.1037%)  
BRD3 (0.1013%)  
NDRG1 (0.1085%)  
SS18L1 (0.1037%)  
STAT6 (0.1109%)  
FOXO3 (0.094%)  
GNA11 (0.0988%)  
RPL5 (0.0844%)  
ASPSCR1 (0.094%)  
ARNT (0.0988%)  
IKZF3 (0.1013%)  
HSP90AB1 (0.1013%)  
FOXO4 (0.1037%)  
MDM2 (0.1037%)  
PPM1D (0.1037%)  
SRSF2 (0.1013%)  
HOOK3 (0.1037%)  
CNOT3 (0.1013%)  
TFE3 (0.0964%)  
BIRC3 (0.0964%)  
FANCG (0.0964%)  
SLC45A3 (0.0988%)  
EIF3E (0.0988%)  
ETNK1 (0.0916%)  
HOXA9 (0.0916%)  
CDK6 (0.0844%)  
FUS (0.094%)  
PLAG1 (0.094%)  
ATP1A1 (0.0844%)  
CDX2 (0.094%)  
HSP90AA1 (0.094%)  
STAT5B (0.0964%)  
HOXD13 (0.0964%)  
EZR (0.0844%)  
ACVR2A (0.0916%)  
HNRNPA2B1 (0.0916%)  
CCND1 (0.0868%)  
KIF5B (0.0892%)  
CRTC1 (0.0916%)  
CD79B (0.0916%)  
SS18 (0.0868%)  
ACKR3 (0.0844%)  
WWTR1 (0.0747%)  
HOXA13 (0.0844%)  
NFIB (0.0796%)  
SDHC (0.0844%)  
CDKN1B (0.0844%)  
MAP2K2 (0.082%)  
TFEB (0.0771%)  
TNFRSF14 (0.0844%)  
SPOP (0.0868%)  
SH2B3 (0.082%)  
BCL2 (0.0796%)  
HIF1A (0.0868%)  
PPARG (0.0844%)  
CREB3L1 (0.0796%)  
NPM1 (0.082%)  
MSI2 (0.0771%)  
VHL (0.0796%)  
FANCF (0.0844%)  
JUN (0.082%)  
HOXA11 (0.0796%)  
HOXC11 (0.082%)  
PRKAR1A (0.0844%)  
NONO (0.0771%)  
FGFR1OP (0.0723%)  
POU2AF1 (0.0747%)  
NT5C2 (0.0796%)  
ZNF384 (0.0747%)  
DNAJB1 (0.0723%)  
PATZ1 (0.082%)  
CEBPA (0.0723%)  
KLF4 (0.0796%)  
ZRSR2 (0.0675%)  
MAF (0.0747%)  
GOPC (0.0796%)  
HEY1 (0.0723%)  
TRIM27 (0.0796%)  
TLX3 (0.0747%)  
LMO1 (0.0579%)  
LMNA (0.0723%)  
NAB2 (0.0747%)  
PRCC (0.0675%)  
CDK4 (0.0747%)  
SDHB (0.0723%)  
MUC1 (0.0699%)  
NFKB2 (0.0771%)  
MYCL (0.0723%)  
LASP1 (0.0675%)  
DDB2 (0.0699%)  
RHOA (0.0723%)  
TCL1A (0.0675%)  
ABI1 (0.0675%)  
TFG (0.0723%)  
RPN1 (0.0675%)  
HOXD11 (0.0579%)  
RHOH (0.0723%)  
TPM3 (0.0699%)  
FANCE (0.0627%)  
HMGA2 (0.0651%)  
FES (0.0675%)  
ACSL3 (0.0675%)  
CBLC (0.0651%)  
RPL10 (0.0651%)  
FAS (0.0675%)  
MLLT1 (0.0603%)  
MAPK1 (0.0627%)  
MLF1 (0.0651%)  
DDX5 (0.0675%)  
SFPQ (0.0627%)  
BCL10 (0.0627%)  
SOX2 (0.0627%)  
CALR (0.0579%)  
RAC1 (0.0627%)  
OLIG2 (0.0627%)  
TLX1 (0.0579%)  
WDCP (0.0579%)  
HLF (0.0603%)  
PIM1 (0.0554%)  
DEK (0.0482%)  
PDCD1LG2 (0.0603%)  
SH3GL1 (0.0579%)  
DDX6 (0.0579%)  
NFKBIE (0.053%)  
HOXC13 (0.053%)  
MYD88 (0.053%)  
POU5F1 (0.0482%)  
LMO2 (0.0482%)  
CCNB1IP1 (0.053%)  
PPP6C (0.053%)  
SIX1 (0.053%)  
PRKACA (0.053%)  
CCDC6 (0.0482%)  
IL2 (0.0482%)  
SMARCE1 (0.0482%)  
APOBEC3B (0.053%)  
ELK4 (0.0482%)  
ETV4 (0.0506%)  
CCND3 (0.0482%)  
RABEP1 (0.0506%)  
TMEM127 (0.0458%)  
BCL7A (0.0506%)  
PHF6 (0.0482%)  
SDHD (0.0506%)  
PDGFB (0.0506%)  
BAX (0.0506%)  
CBFB (0.0482%)  
BCL3 (0.0458%)  
CD274 (0.0482%)  
KDSR (0.0482%)  
CDKN2C (0.0482%)  
SDHAF2 (0.0458%)  
SBDS (0.0434%)  
TPM4 (0.041%)  
KLF6 (0.0434%)  
IL6ST (0.0434%)  
NUTM2D (0.0434%)  
SDC4 (0.041%)  
CREB1 (0.0362%)  
MAFB (0.041%)  
CANT1 (0.0386%)  
PAFAH1B2 (0.0362%)  
HIST1H4I (0.0313%)  
H3F3B (0.0362%)  
TCEA1 (0.0362%)  
TAL2 (0.0362%)  
FSTL3 (0.0338%)  
SET (0.0338%)  
CD79A (0.0338%)  
NUTM2B (0.0313%)  
ATF1 (0.0265%)  
SOCS1 (0.0265%)  
HERPUD1 (0.0289%)  
TNFRSF17 (0.0265%)  
YWHAE (0.0289%)  
MTCP1 (0.0289%)  
BTG1 (0.0289%)  
SRSF3 (0.0217%)  
CD74 (0.0265%)  
RPL22 (0.0193%)  
SSX2 (0.0217%)  
XPA (0.0265%)  
CNBP (0.0241%)  
DDIT3 (0.0241%)  
H3F3A (0.0217%)  
CHCHD7 (0.0241%)  
PTK6 (0.0217%)  
LYL1 (0.0241%)  
FEV (0.0193%)  
MLLT11 (0.0169%)  
SSX4 (0.0072%)  
RMI2 (0.0048%)