Potential panel genes of lung cancer are (n=300):

Asia:  
0, EGFR (84.4751%)  
1, KRAS (5.5043%)  
2, TP53 (3.1376%)  
3, MET (2.5404%)  
4, PIK3CA (1.4331%)  
5, LRP1B (1.0205%)  
6, BRAF (0.9554%)  
7, ERBB2 (0.608%)  
8, NFE2L2 (0.5754%)  
9, AKT1 (0.5645%)  
10, STK11 (0.4994%)  
11, PTEN (0.4126%)  
12, FAT4 (0.3691%)  
13, KMT2D (0.2931%)  
14, KEAP1 (0.2823%)  
15, KMT2C (0.2606%)  
16, RB1 (0.2497%)  
17, ERBB4 (0.2497%)  
18, NF1 (0.2388%)  
19, TET2 (0.228%)  
20, ALK (0.2171%)  
21, CREBBP (0.2171%)  
22, CTNNB1 (0.2171%)  
23, ZFHX3 (0.2063%)  
24, ZNF521 (0.2063%)  
25, KDR (0.1954%)  
26, SMARCA4 (0.1846%)  
27, TPR (0.1846%)  
28, FBXW7 (0.1846%)  
29, POLQ (0.1737%)  
30, ATM (0.1737%)  
31, RNF213 (0.1737%)  
32, ROS1 (0.1628%)  
33, PDE4DIP (0.1628%)  
34, TSC2 (0.1628%)  
35, CDKN2A (0.1628%)  
36, MAP2K1 (0.152%)  
37, DDR2 (0.152%)  
38, ARID1A (0.152%)  
39, APC (0.152%)  
40, PREX2 (0.152%)  
41, SETD2 (0.152%)  
42, NOTCH2 (0.1411%)  
43, BRCA2 (0.1411%)  
44, ATR (0.1411%)  
45, NCOR1 (0.1411%)  
46, PTPRC (0.1411%)  
47, NTRK3 (0.1411%)  
48, MTOR (0.1303%)  
49, PDGFRA (0.1303%)  
50, CDH11 (0.1303%)  
51, POLE (0.1194%)  
52, MYH11 (0.1194%)  
53, NSD1 (0.1194%)  
54, DNMT3A (0.1194%)  
55, SDHA (0.1194%)  
56, MED12 (0.1194%)  
57, SPEN (0.1194%)  
58, FAT1 (0.1194%)  
59, COL2A1 (0.1194%)  
60, EP300 (0.1194%)  
61, NCOR2 (0.1194%)  
62, PTPRB (0.1086%)  
63, ATRX (0.1086%)  
64, NUP214 (0.1086%)  
65, BRIP1 (0.1086%)  
66, CACNA1D (0.1086%)  
67, RBM10 (0.1086%)  
68, TRRAP (0.1086%)  
69, CLTC (0.0977%)  
70, NOTCH1 (0.0977%)  
71, BRCA1 (0.0977%)  
72, PTPRT (0.0977%)  
73, AR (0.0977%)  
74, GRIN2A (0.0977%)  
75, AFDN (0.0977%)  
76, LIFR (0.0977%)  
77, SETBP1 (0.0977%)  
78, AFF3 (0.0977%)  
79, LRIG3 (0.0977%)  
80, AMER1 (0.0977%)  
81, ARID1B (0.0977%)  
82, SMAD4 (0.0977%)  
83, FLT3 (0.0977%)  
84, EIF3E (0.0869%)  
85, PBRM1 (0.0869%)  
86, MALT1 (0.0869%)  
87, RUNX1 (0.0869%)  
88, ARID2 (0.0869%)  
89, TRIM24 (0.0869%)  
90, KIT (0.0869%)  
91, PTCH1 (0.0869%)  
92, JAK2 (0.0869%)  
93, NUP98 (0.0869%)  
94, DDX3X (0.0869%)  
95, NRAS (0.0869%)  
96, NTRK1 (0.0869%)  
97, KAT6A (0.0869%)  
98, USP6 (0.0869%)  
99, NSD3 (0.0869%)  
100, TP63 (0.0869%)  
101, KMT2A (0.076%)  
102, ERBB3 (0.076%)  
103, MYH9 (0.076%)  
104, STAG2 (0.076%)  
105, NCOA1 (0.076%)  
106, LATS1 (0.076%)  
107, BCOR (0.076%)  
108, FLT4 (0.076%)  
109, DICER1 (0.076%)  
110, RANBP2 (0.076%)  
111, KDM5A (0.076%)  
112, ITK (0.076%)  
113, ETV1 (0.076%)  
114, RET (0.076%)  
115, SF3B1 (0.076%)  
116, BCL9 (0.076%)  
117, ABL2 (0.076%)  
118, PTPRK (0.076%)  
119, NIN (0.076%)  
120, NFATC2 (0.076%)  
121, FCRL4 (0.076%)  
122, EML4 (0.0651%)  
123, PTPN11 (0.0651%)  
124, EBF1 (0.0651%)  
125, DROSHA (0.0651%)  
126, MSH6 (0.0651%)  
127, EXT2 (0.0651%)  
128, ERC1 (0.0651%)  
129, KAT6B (0.0651%)  
130, MAML2 (0.0651%)  
131, CAMTA1 (0.0651%)  
132, PPFIBP1 (0.0651%)  
133, PBX1 (0.0651%)  
134, BCORL1 (0.0651%)  
135, JAK1 (0.0651%)  
136, WRN (0.0651%)  
137, PDGFRB (0.0651%)  
138, COL1A1 (0.0651%)  
139, FGFR2 (0.0651%)  
140, KDM5C (0.0651%)  
141, IDH1 (0.0651%)  
142, BLM (0.0651%)  
143, MECOM (0.0651%)  
144, MITF (0.0651%)  
145, NR4A3 (0.0651%)  
146, PLCG1 (0.0651%)  
147, LATS2 (0.0651%)  
148, BRD4 (0.0651%)  
149, ASXL1 (0.0651%)  
150, RUNX1T1 (0.0651%)  
151, CIC (0.0543%)  
152, MYO5A (0.0543%)  
153, WWTR1 (0.0543%)  
154, PIK3CB (0.0543%)  
155, PRCC (0.0543%)  
156, TET1 (0.0543%)  
157, FAS (0.0543%)  
158, ARHGEF12 (0.0543%)  
159, TSHR (0.0543%)  
160, STIL (0.0543%)  
161, CDH1 (0.0543%)  
162, ACVR1 (0.0543%)  
163, IL7R (0.0543%)  
164, RBM15 (0.0543%)  
165, ARHGAP26 (0.0543%)  
166, CHD4 (0.0543%)  
167, ZBTB16 (0.0543%)  
168, ARHGAP35 (0.0543%)  
169, WAS (0.0543%)  
170, MAP3K1 (0.0543%)  
171, CDC73 (0.0543%)  
172, HIP1 (0.0543%)  
173, PTPN13 (0.0543%)  
174, FGFR1 (0.0543%)  
175, CSF3R (0.0543%)  
176, WIF1 (0.0434%)  
177, RNF43 (0.0434%)  
178, LCK (0.0434%)  
179, TERT (0.0434%)  
180, MN1 (0.0434%)  
181, RSPO2 (0.0434%)  
182, ATP1A1 (0.0434%)  
183, POLD1 (0.0434%)  
184, RAD51B (0.0434%)  
185, BCL11A (0.0434%)  
186, ERCC2 (0.0434%)  
187, NUTM1 (0.0434%)  
188, NSD2 (0.0434%)  
189, TRIP11 (0.0434%)  
190, CUX1 (0.0434%)  
191, HNRNPA2B1 (0.0434%)  
192, RAD21 (0.0434%)  
193, PAX8 (0.0434%)  
194, DDX10 (0.0434%)  
195, DAXX (0.0434%)  
196, USP8 (0.0434%)  
197, IRS4 (0.0434%)  
198, KNL1 (0.0434%)  
199, TSC1 (0.0434%)  
200, BARD1 (0.0434%)  
201, GNAS (0.0434%)  
202, ELL (0.0434%)  
203, FBXO11 (0.0434%)  
204, FIP1L1 (0.0434%)  
205, KTN1 (0.0434%)  
206, EZH2 (0.0434%)  
207, POT1 (0.0434%)  
208, U2AF1 (0.0434%)  
209, GPHN (0.0434%)  
210, FUS (0.0434%)  
211, FANCA (0.0434%)  
212, CBL (0.0434%)  
213, HSP90AA1 (0.0434%)  
214, CARD11 (0.0434%)  
215, FANCD2 (0.0434%)  
216, ZNF384 (0.0434%)  
217, HIF1A (0.0434%)  
218, MYB (0.0434%)  
219, RAP1GDS1 (0.0434%)  
220, STRN (0.0434%)  
221, KIF5B (0.0434%)  
222, CLIP1 (0.0434%)  
223, FUBP1 (0.0434%)  
224, IKZF1 (0.0434%)  
225, UBR5 (0.0434%)  
226, PSIP1 (0.0434%)  
227, PRKAR1A (0.0326%)  
228, ARNT (0.0326%)  
229, EWSR1 (0.0326%)  
230, REL (0.0326%)  
231, SS18 (0.0326%)  
232, MAPK1 (0.0326%)  
233, DCTN1 (0.0326%)  
234, MLLT10 (0.0326%)  
235, FH (0.0326%)  
236, BCL9L (0.0326%)  
237, AFF4 (0.0326%)  
238, FHIT (0.0326%)  
239, AXIN1 (0.0326%)  
240, MDM2 (0.0326%)  
241, XPC (0.0326%)  
242, SUFU (0.0326%)  
243, IL6ST (0.0326%)  
244, ETV5 (0.0326%)  
245, SND1 (0.0326%)  
246, HLA-A (0.0326%)  
247, AFF1 (0.0326%)  
248, GPC3 (0.0326%)  
249, PRDM1 (0.0326%)  
250, CHEK2 (0.0326%)  
251, ZMYM2 (0.0326%)  
252, PMS2 (0.0326%)  
253, SLC34A2 (0.0326%)  
254, PRF1 (0.0326%)  
255, ATP2B3 (0.0326%)  
256, EXT1 (0.0326%)  
257, FOXO3 (0.0326%)  
258, SALL4 (0.0326%)  
259, NBN (0.0326%)  
260, GAS7 (0.0326%)  
261, MUTYH (0.0326%)  
262, PER1 (0.0326%)  
263, KDM6A (0.0326%)  
264, DEK (0.0326%)  
265, NRG1 (0.0326%)  
266, CDK12 (0.0326%)  
267, SMAD3 (0.0326%)  
268, ABL1 (0.0326%)  
269, IL21R (0.0326%)  
270, FGFR4 (0.0326%)  
271, LZTR1 (0.0326%)  
272, RABEP1 (0.0326%)  
273, ERCC5 (0.0326%)  
274, TBL1XR1 (0.0326%)  
275, XPO1 (0.0326%)  
276, CASP8 (0.0326%)  
277, FES (0.0326%)  
278, RARA (0.0326%)  
279, FGFR1OP (0.0326%)  
280, ERCC4 (0.0326%)  
281, ETV6 (0.0326%)  
282, QKI (0.0326%)  
283, AXIN2 (0.0326%)  
284, MAP3K13 (0.0326%)  
285, BTK (0.0326%)  
286, BUB1B (0.0326%)  
287, ESR1 (0.0326%)  
288, CREB3L2 (0.0326%)  
289, FLCN (0.0326%)  
290, CNTRL (0.0326%)  
291, TAL1 (0.0326%)  
292, TGFBR2 (0.0326%)  
293, CBLB (0.0326%)  
294, CARS (0.0326%)  
295, PLAG1 (0.0326%)  
296, RAF1 (0.0326%)  
297, TRIM33 (0.0326%)  
298, STAT6 (0.0326%)  
299, FOXO1 (0.0217%)  
  
  
The world:  
0, EGFR (62.2044%)  
1, KRAS (17.2537%)  
2, TP53 (13.6207%)  
3, LRP1B (2.2565%)  
4, PIK3CA (2.2107%)  
5, STK11 (1.8032%)  
6, BRAF (1.7526%)  
7, KEAP1 (1.7333%)  
8, MET (1.6803%)  
9, RB1 (1.567%)  
10, KMT2D (1.3838%)  
11, ARID1A (1.3307%)  
12, NF1 (1.2488%)  
13, KMT2C (1.2319%)  
14, FAT1 (1.1644%)  
15, ERBB2 (1.0993%)  
16, ALK (1.0969%)  
17, CDKN2A (1.0439%)  
18, ATM (1.0414%)  
19, SMARCA4 (1.0414%)  
20, FAT4 (1.0318%)  
21, ERBB4 (1.0294%)  
22, PTPRT (0.933%)  
23, NTRK3 (0.9113%)  
24, GRIN2A (0.8751%)  
25, KDR (0.8462%)  
26, PTEN (0.8197%)  
27, NOTCH1 (0.8124%)  
28, APC (0.769%)  
29, CREBBP (0.7642%)  
30, ZFHX3 (0.757%)  
31, PDGFRA (0.7546%)  
32, ROS1 (0.7015%)  
33, ATRX (0.6919%)  
34, NFE2L2 (0.6871%)  
35, RBM10 (0.6678%)  
36, SETBP1 (0.6364%)  
37, PDE4DIP (0.6316%)  
38, MTOR (0.6292%)  
39, FLT4 (0.6244%)  
40, SETD2 (0.622%)  
41, NOTCH2 (0.6147%)  
42, RNF213 (0.6147%)  
43, BRCA2 (0.6123%)  
44, PREX2 (0.6027%)  
45, ZNF521 (0.593%)  
46, PTPRB (0.5858%)  
47, ATR (0.5834%)  
48, MED12 (0.581%)  
49, EP300 (0.5762%)  
50, KMT2A (0.5689%)  
51, CARD11 (0.5569%)  
52, RET (0.5496%)  
53, ARID2 (0.5496%)  
54, POLQ (0.5472%)  
55, RUNX1T1 (0.5448%)  
56, CTNNB1 (0.5424%)  
57, POLE (0.54%)  
58, ARID1B (0.5376%)  
59, DDR2 (0.5207%)  
60, TSC2 (0.5111%)  
61, TRRAP (0.5087%)  
62, TET1 (0.4797%)  
63, NCOR1 (0.4749%)  
64, AMER1 (0.4725%)  
65, NSD1 (0.4725%)  
66, AR (0.4677%)  
67, KIT (0.4677%)  
68, NCOR2 (0.4629%)  
69, NTRK1 (0.4556%)  
70, DNMT3A (0.4556%)  
71, BRCA1 (0.4532%)  
72, SMAD4 (0.4508%)  
73, BCOR (0.4508%)  
74, FBXW7 (0.4484%)  
75, SPEN (0.446%)  
76, TPR (0.4412%)  
77, PTPRC (0.4315%)  
78, MYH11 (0.4291%)  
79, TET2 (0.4267%)  
80, CAMTA1 (0.4243%)  
81, IL7R (0.4195%)  
82, NRAS (0.4122%)  
83, JAK2 (0.4098%)  
84, DICER1 (0.4074%)  
85, FLT3 (0.3978%)  
86, GNAS (0.393%)  
87, TSHR (0.393%)  
88, STAG2 (0.3857%)  
89, KDM6A (0.3785%)  
90, PTCH1 (0.3785%)  
91, PDGFRB (0.3761%)  
92, BCORL1 (0.3713%)  
93, CDH11 (0.364%)  
94, RANBP2 (0.3616%)  
95, ASXL1 (0.3592%)  
96, TERT (0.3544%)  
97, KDM5C (0.3544%)  
98, IKZF1 (0.352%)  
99, TBX3 (0.352%)  
100, UBR5 (0.3471%)  
101, PBRM1 (0.3423%)  
102, MYH9 (0.3423%)  
103, WT1 (0.3399%)  
104, AKT1 (0.3375%)  
105, ATP2B3 (0.3351%)  
106, FANCA (0.3327%)  
107, JAK3 (0.3327%)  
108, SF3B1 (0.3303%)  
109, KDM5A (0.3303%)  
110, BRIP1 (0.3255%)  
111, AFF3 (0.3255%)  
112, CHEK2 (0.3182%)  
113, RECQL4 (0.3182%)  
114, COL2A1 (0.3086%)  
115, ERBB3 (0.3086%)  
116, TP63 (0.3062%)  
117, NCOA2 (0.3038%)  
118, KAT6A (0.3013%)  
119, NIN (0.2989%)  
120, IRS4 (0.2989%)  
121, MAP3K1 (0.2941%)  
122, DROSHA (0.2941%)  
123, BTK (0.2941%)  
124, SND1 (0.2917%)  
125, ARHGAP35 (0.2917%)  
126, PRDM16 (0.2893%)  
127, ABL2 (0.2893%)  
128, FCRL4 (0.2893%)  
129, ITK (0.2893%)  
130, NUP214 (0.2845%)  
131, SMO (0.2845%)  
132, EBF1 (0.2845%)  
133, LATS1 (0.2821%)  
134, WRN (0.2821%)  
135, FGFR4 (0.2796%)  
136, PALB2 (0.2796%)  
137, PTPRK (0.2796%)  
138, USP6 (0.2796%)  
139, ERCC5 (0.2772%)  
140, FGFR1 (0.2772%)  
141, FGFR2 (0.2748%)  
142, CUX1 (0.2748%)  
143, MSH6 (0.2724%)  
144, CACNA1D (0.27%)  
145, CDK12 (0.2676%)  
146, LATS2 (0.2676%)  
147, AFDN (0.2652%)  
148, GATA3 (0.2652%)  
149, MEN1 (0.2652%)  
150, CIC (0.2604%)  
151, BCL11B (0.2579%)  
152, ABL1 (0.2555%)  
153, MYO5A (0.2555%)  
154, TSC1 (0.2555%)  
155, JAK1 (0.2555%)  
156, ESR1 (0.2555%)  
157, BCL11A (0.2531%)  
158, LIFR (0.2507%)  
159, CBLB (0.2507%)  
160, CDC73 (0.2507%)  
161, ARHGEF12 (0.2483%)  
162, COL1A1 (0.2483%)  
163, SDHA (0.2483%)  
164, PTPN13 (0.2483%)  
165, CBL (0.2483%)  
166, PAX5 (0.2459%)  
167, BARD1 (0.2459%)  
168, POLD1 (0.2435%)  
169, TRIP11 (0.2435%)  
170, KAT6B (0.2435%)  
171, MAP3K13 (0.2435%)  
172, NBN (0.2411%)  
173, NRG1 (0.2411%)  
174, CIITA (0.2387%)  
175, BLM (0.2387%)  
176, BCL9L (0.2363%)  
177, PPP2R1A (0.2363%)  
178, BCR (0.2363%)  
179, HIP1 (0.2338%)  
180, MECOM (0.2314%)  
181, NCOA1 (0.2314%)  
182, BRD4 (0.2314%)  
183, GAS7 (0.229%)  
184, NUTM1 (0.229%)  
185, MAP2K1 (0.2266%)  
186, NFATC2 (0.2242%)  
187, HNF1A (0.2242%)  
188, POT1 (0.2218%)  
189, MSH2 (0.2218%)  
190, PTPN11 (0.2194%)  
191, AXIN2 (0.2194%)  
192, U2AF1 (0.217%)  
193, RUNX1 (0.217%)  
194, NUP98 (0.2146%)  
195, CDH1 (0.2146%)  
196, NF2 (0.2146%)  
197, LPP (0.2121%)  
198, CNTRL (0.2121%)  
199, CSF3R (0.2097%)  
200, TGFBR2 (0.2097%)  
201, HLA-A (0.2097%)  
202, ETV1 (0.2097%)  
203, NUMA1 (0.2073%)  
204, EML4 (0.2073%)  
205, PMS2 (0.2073%)  
206, CLTCL1 (0.2049%)  
207, RNF43 (0.2049%)  
208, CHD4 (0.2049%)  
209, CLIP1 (0.2049%)  
210, KNL1 (0.2025%)  
211, P2RY8 (0.2025%)  
212, NSD2 (0.2001%)  
213, PIK3R1 (0.2001%)  
214, FANCD2 (0.2001%)  
215, USP8 (0.2001%)  
216, SALL4 (0.1977%)  
217, IDH1 (0.1977%)  
218, AXIN1 (0.1977%)  
219, ERCC4 (0.1929%)  
220, ERCC2 (0.1929%)  
221, GATA2 (0.1929%)  
222, BCL6 (0.1904%)  
223, ERC1 (0.1904%)  
224, IL21R (0.1904%)  
225, RAD21 (0.1904%)  
226, SLC34A2 (0.1904%)  
227, PIK3CB (0.1904%)  
228, PCM1 (0.188%)  
229, MLLT10 (0.188%)  
230, PML (0.188%)  
231, ETV6 (0.188%)  
232, FLI1 (0.1856%)  
233, EXT2 (0.1856%)  
234, KTN1 (0.1856%)  
235, NSD3 (0.1856%)  
236, LZTR1 (0.1856%)  
237, FOXP1 (0.1832%)  
238, STIL (0.1832%)  
239, PER1 (0.1808%)  
240, IRF4 (0.1808%)  
241, MN1 (0.1808%)  
242, MAML2 (0.1784%)  
243, PRDM1 (0.1784%)  
244, FH (0.176%)  
245, CBFA2T3 (0.176%)  
246, PAX3 (0.176%)  
247, BAP1 (0.1736%)  
248, PBX1 (0.1736%)  
249, FGFR3 (0.1736%)  
250, AKT2 (0.1736%)  
251, TNFAIP3 (0.1736%)  
252, LRIG3 (0.1712%)  
253, MLLT3 (0.1712%)  
254, RAD51B (0.1712%)  
255, MPL (0.1712%)  
256, TRIM24 (0.1712%)  
257, MUTYH (0.1712%)  
258, GPC3 (0.1688%)  
259, DCTN1 (0.1688%)  
260, MYB (0.1688%)  
261, CASP8 (0.1663%)  
262, CLTC (0.1663%)  
263, RSPO2 (0.1663%)  
264, AFF1 (0.1663%)  
265, ZBTB16 (0.1639%)  
266, PHOX2B (0.1615%)  
267, NKX2-1 (0.1615%)  
268, ERCC3 (0.1615%)  
269, EZH2 (0.1615%)  
270, PPFIBP1 (0.1615%)  
271, STRN (0.1591%)  
272, SYK (0.1591%)  
273, GPHN (0.1591%)  
274, MLH1 (0.1591%)  
275, DAXX (0.1567%)  
276, B2M (0.1567%)  
277, TCF3 (0.1543%)  
278, AFF4 (0.1543%)  
279, TCF7L2 (0.1543%)  
280, MSN (0.1543%)  
281, MYOD1 (0.1543%)  
282, TOP1 (0.1519%)  
283, CYLD (0.1519%)  
284, MYCN (0.1519%)  
285, MALT1 (0.1519%)  
286, FCGR2B (0.1495%)  
287, RARA (0.1495%)  
288, TRIM33 (0.1471%)  
289, BCL9 (0.1471%)  
290, MAP2K4 (0.1471%)  
291, STAT3 (0.1446%)  
292, FLCN (0.1446%)  
293, PAX7 (0.1446%)  
294, CCNE1 (0.1446%)  
295, RAF1 (0.1446%)  
296, ERG (0.1446%)  
297, IKBKB (0.1422%)  
298, FIP1L1 (0.1422%)  
299, TRAF7 (0.1398%)