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

Asia:  
0, BRAF (98.4263%)  
1, NRAS (0.5288%)  
2, TSHR (0.3147%)  
3, AXIN1 (0.2266%)  
4, KRAS (0.1259%)  
5, GNAS (0.1007%)  
6, EGFR (0.0881%)  
7, HRAS (0.0755%)  
8, PIK3CA (0.0755%)  
9, APC (0.0378%)  
10, PTEN (0.0378%)  
11, DICER1 (0.0378%)  
12, AKT1 (0.0252%)  
13, ATM (0.0252%)  
14, ALK (0.0126%)  
15, FLT3 (0.0126%)  
16, KMT2A (0.0126%)  
17, TP53 (0.0126%)  
18, CTNNB1 (0.0126%)  
  
  
The world:  
0, BRAF (86.9815%)  
1, RET (3.8874%)  
2, NRAS (3.1887%)  
3, HRAS (1.5584%)  
4, TP53 (1.37%)  
5, TSHR (1.1371%)  
6, KRAS (0.7741%)  
7, PIK3CA (0.6884%)  
8, PTEN (0.3631%)  
9, KMT2C (0.3083%)  
10, ATM (0.2432%)  
11, GNAS (0.2329%)  
12, NF1 (0.1987%)  
13, NOTCH1 (0.1952%)  
14, RBM10 (0.1918%)  
15, APC (0.185%)  
16, DICER1 (0.1713%)  
17, KMT2D (0.1678%)  
18, DNMT3A (0.1678%)  
19, CTNNB1 (0.1644%)  
20, CDKN2A (0.1644%)  
21, RB1 (0.161%)  
22, ARID1A (0.161%)  
23, LRP1B (0.1507%)  
24, MED12 (0.1473%)  
25, ARID1B (0.1439%)  
26, BCOR (0.1439%)  
27, ZFHX3 (0.1404%)  
28, NCOR2 (0.137%)  
29, CREBBP (0.137%)  
30, AKT1 (0.1336%)  
31, NOTCH2 (0.1336%)  
32, KMT2A (0.1302%)  
33, ARID2 (0.1267%)  
34, MEN1 (0.1267%)  
35, SMARCA4 (0.1199%)  
36, POLE (0.1165%)  
37, NF2 (0.1165%)  
38, PDE4DIP (0.1165%)  
39, HLA-A (0.1165%)  
40, AXIN1 (0.1165%)  
41, MTOR (0.113%)  
42, TSC2 (0.1062%)  
43, BRCA2 (0.1062%)  
44, AR (0.1062%)  
45, USP6 (0.1028%)  
46, EGFR (0.1028%)  
47, NCOR1 (0.1028%)  
48, ALK (0.1028%)  
49, KEAP1 (0.0993%)  
50, STAG2 (0.0959%)  
51, FAT1 (0.0925%)  
52, IDH1 (0.0925%)  
53, TRRAP (0.0925%)  
54, BRD4 (0.0891%)  
55, MET (0.0891%)  
56, TERT (0.0891%)  
57, BCORL1 (0.0891%)  
58, SPEN (0.0891%)  
59, SMAD4 (0.0856%)  
60, TET2 (0.0856%)  
61, ATR (0.0856%)  
62, ATRX (0.0856%)  
63, PBRM1 (0.0822%)  
64, MSH2 (0.0822%)  
65, SETD2 (0.0788%)  
66, ASXL1 (0.0788%)  
67, KDM5C (0.0754%)  
68, ROS1 (0.0754%)  
69, JAK3 (0.0754%)  
70, FANCD2 (0.0719%)  
71, GRIN2A (0.0719%)  
72, BRCA1 (0.0719%)  
73, JAK2 (0.0719%)  
74, FLT4 (0.0685%)  
75, CDKN2C (0.0685%)  
76, NSD1 (0.0685%)  
77, MN1 (0.0685%)  
78, POLD1 (0.0685%)  
79, CBFA2T3 (0.0685%)  
80, JAK1 (0.0685%)  
81, STK11 (0.0685%)  
82, BCL11B (0.0685%)  
83, RNF213 (0.0685%)  
84, DAXX (0.0651%)  
85, AKT2 (0.0651%)  
86, AFF3 (0.0651%)  
87, KDM6A (0.0651%)  
88, FANCA (0.0651%)  
89, MAP3K1 (0.0651%)  
90, PTCH1 (0.0651%)  
91, CDH1 (0.0617%)  
92, MYO5A (0.0617%)  
93, PER1 (0.0617%)  
94, CARD11 (0.0617%)  
95, MUTYH (0.0617%)  
96, CIC (0.0617%)  
97, LMNA (0.0617%)  
98, TBX3 (0.0617%)  
99, NKX2-1 (0.0617%)  
100, CHEK2 (0.0617%)  
101, CHD4 (0.0582%)  
102, MAML2 (0.0582%)  
103, SND1 (0.0582%)  
104, MYH11 (0.0582%)  
105, DNM2 (0.0582%)  
106, SDHA (0.0582%)  
107, CNTRL (0.0582%)  
108, EP300 (0.0582%)  
109, VHL (0.0548%)  
110, PTPRT (0.0548%)  
111, NUP98 (0.0548%)  
112, PRDM16 (0.0548%)  
113, PCM1 (0.0548%)  
114, CUX1 (0.0548%)  
115, NTRK3 (0.0548%)  
116, BCL9L (0.0548%)  
117, FGFR3 (0.0548%)  
118, LZTR1 (0.0548%)  
119, RECQL4 (0.0548%)  
120, PML (0.0514%)  
121, FGFR1 (0.0514%)  
122, FGFR4 (0.0514%)  
123, SMARCB1 (0.0514%)  
124, BLM (0.0514%)  
125, CLIP1 (0.0514%)  
126, PREX2 (0.0514%)  
127, NTRK1 (0.0514%)  
128, USP8 (0.0514%)  
129, HNF1A (0.0514%)  
130, SF3B1 (0.0514%)  
131, KDR (0.0514%)  
132, PDGFRB (0.0514%)  
133, COL2A1 (0.0514%)  
134, TSC1 (0.0514%)  
135, LATS2 (0.048%)  
136, TET1 (0.048%)  
137, FBXW7 (0.048%)  
138, WT1 (0.048%)  
139, BCR (0.048%)  
140, AXIN2 (0.048%)  
141, PMS2 (0.048%)  
142, FCGR2B (0.048%)  
143, MLLT1 (0.048%)  
144, ATP2B3 (0.048%)  
145, WRN (0.0445%)  
146, NUP214 (0.0445%)  
147, NR4A3 (0.0445%)  
148, TCF3 (0.0445%)  
149, MSH6 (0.0445%)  
150, POLQ (0.0445%)  
151, TRIP11 (0.0445%)  
152, NUMA1 (0.0445%)  
153, NAB2 (0.0445%)  
154, POT1 (0.0411%)  
155, TRIM24 (0.0411%)  
156, SMO (0.0411%)  
157, COL1A1 (0.0411%)  
158, CREB3L2 (0.0411%)  
159, PRDM1 (0.0411%)  
160, NUTM1 (0.0411%)  
161, CLTCL1 (0.0411%)  
162, MRTFA (0.0411%)  
163, BRD3 (0.0411%)  
164, CCDC6 (0.0411%)  
165, TPR (0.0411%)  
166, FBXO11 (0.0411%)  
167, LATS1 (0.0411%)  
168, SS18L1 (0.0411%)  
169, ERBB2 (0.0411%)  
170, SRC (0.0377%)  
171, CACNA1D (0.0377%)  
172, MAP2K4 (0.0377%)  
173, SH2B3 (0.0377%)  
174, CRTC1 (0.0377%)  
175, ASPSCR1 (0.0377%)  
176, ERCC4 (0.0377%)  
177, ACVR1B (0.0377%)  
178, ABL1 (0.0377%)  
179, MYH9 (0.0377%)  
180, FES (0.0377%)  
181, PPP2R1A (0.0377%)  
182, FAS (0.0377%)  
183, SFPQ (0.0377%)  
184, ABL2 (0.0377%)  
185, NUTM2B (0.0377%)  
186, MUC1 (0.0377%)  
187, PTPN13 (0.0377%)  
188, POU5F1 (0.0343%)  
189, EWSR1 (0.0343%)  
190, BCL6 (0.0343%)  
191, PATZ1 (0.0343%)  
192, PRKAR1A (0.0343%)  
193, BRIP1 (0.0343%)  
194, TFEB (0.0343%)  
195, TP63 (0.0343%)  
196, FAT4 (0.0343%)  
197, CYLD (0.0343%)  
198, MLLT3 (0.0343%)  
199, MAP2K1 (0.0343%)  
200, NSD2 (0.0343%)  
201, BCL9 (0.0343%)  
202, PAX8 (0.0343%)  
203, ERBB3 (0.0343%)  
204, KDM5A (0.0343%)  
205, NBN (0.0343%)  
206, CDK12 (0.0343%)  
207, STRN (0.0343%)  
208, GNAQ (0.0343%)  
209, DCTN1 (0.0343%)  
210, GATA2 (0.0308%)  
211, RANBP2 (0.0308%)  
212, UBR5 (0.0308%)  
213, AFF1 (0.0308%)  
214, TCF7L2 (0.0308%)  
215, ELF4 (0.0308%)  
216, SMAD3 (0.0308%)  
217, IL7R (0.0308%)  
218, FLCN (0.0308%)  
219, SETBP1 (0.0308%)  
220, MECOM (0.0308%)  
221, EXT1 (0.0308%)  
222, SLC34A2 (0.0308%)  
223, ETV1 (0.0308%)  
224, STAT5B (0.0308%)  
225, DDX10 (0.0308%)  
226, FOXO3 (0.0308%)  
227, TRIM33 (0.0308%)  
228, FLT3 (0.0308%)  
229, TFE3 (0.0308%)  
230, PTPRB (0.0308%)  
231, NFKB2 (0.0308%)  
232, NFATC2 (0.0308%)  
233, NFE2L2 (0.0308%)  
234, PIK3R1 (0.0308%)  
235, PDGFRA (0.0308%)  
236, CDKN1B (0.0308%)  
237, KAT6A (0.0308%)  
238, CCND3 (0.0308%)  
239, KNL1 (0.0308%)  
240, IKZF1 (0.0308%)  
241, FANCC (0.0308%)  
242, MAP2K2 (0.0308%)  
243, ERBB4 (0.0308%)  
244, CTCF (0.0308%)  
245, NCOA2 (0.0274%)  
246, PALB2 (0.0274%)  
247, HSP90AA1 (0.0274%)  
248, SYK (0.0274%)  
249, P2RY8 (0.0274%)  
250, TNFAIP3 (0.0274%)  
251, BARD1 (0.0274%)  
252, DROSHA (0.0274%)  
253, SFRP4 (0.0274%)  
254, RUNX1 (0.0274%)  
255, PHOX2B (0.0274%)  
256, LRIG3 (0.0274%)  
257, TMPRSS2 (0.0274%)  
258, CASP8 (0.0274%)  
259, NSD3 (0.0274%)  
260, ELL (0.0274%)  
261, IRF4 (0.0274%)  
262, RARA (0.0274%)  
263, SUFU (0.0274%)  
264, STAT3 (0.0274%)  
265, ESR1 (0.0274%)  
266, CARS (0.0274%)  
267, MPL (0.0274%)  
268, IKBKB (0.0274%)  
269, AFDN (0.0274%)  
270, FUBP1 (0.0274%)  
271, U2AF1 (0.0274%)  
272, GPC3 (0.0274%)  
273, NUTM2D (0.024%)  
274, FANCG (0.024%)  
275, KAT6B (0.024%)  
276, RUNX1T1 (0.024%)  
277, RNF43 (0.024%)  
278, HIF1A (0.024%)  
279, CALR (0.024%)  
280, AMER1 (0.024%)  
281, ARHGEF12 (0.024%)  
282, MLLT10 (0.024%)  
283, ERCC2 (0.024%)  
284, DDR2 (0.024%)  
285, RAC1 (0.024%)  
286, AFF4 (0.024%)  
287, HIP1 (0.024%)  
288, SH3GL1 (0.024%)  
289, HOXA11 (0.024%)  
290, FOXP1 (0.024%)  
291, RABEP1 (0.024%)  
292, ETV5 (0.024%)  
293, FH (0.024%)  
294, ATP1A1 (0.024%)  
295, CBFB (0.024%)  
296, NIN (0.024%)  
297, FOXO1 (0.024%)  
298, IDH2 (0.024%)  
299, MAFB (0.024%)