

Supplemental Tables for:  
Oncogenic ALK Fusion and RRAS Mutation in KRAS mutation-negative Pancreatic Ductal Adenocarcinoma  
Takashi Kohno et al.

**Table S1. Clinicopathological characteristics of the 100 patients**

Characteristics		Patients (n = 100)
Age - year	Median	67
	Range	38-84
Sex - No. (%)	Male	59 (59%)
	Female	41 (41%)
p-Stage <sup>a</sup> - No. (%)	IA	1 (1%)
	IB	0 (0%)
	IIA	25 (25%)
	IIB	64 (64%)
	III	0 (0%)
Tumor differentiation - No. (%)	IV	10 (10%)
	Tubular adenocarcinoma – well	6 (6%)
	– Moderate	64 (64%)
	– Poor	28 (28%)
	Adenosquamous carcinoma	2 (2%)
Tumor location - No. (%)	Head	62 (62%)
	Body/Tail	38 (38%)

<sup>a</sup> UICC TNM classification of malignant tumors. 7th edition.

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Takashi Kohno et al.

**Supplementary Table S2. Nonsynonymous somatic mutations in PDACs without KRAS mutation**

No.	Sample	Gene name	Transcript ID	Nucleotide change	Amino acid change
1	P030T	VWA5B1	NM_001039500	c.G3402T	p.E1134D
2	P030T	NCDN	NM_001014841	c.G1317A	p.W439X
3	P030T	GREB1	NM_014668	c.C2192T	p.T731M
4	P030T	HOXD1	NM_024501	c.G58A	p.V20M
5	P030T	DYTN	NM_001093730	c.C1129T	p.R377W
6	P030T	MAP2	NM_002374	c.G2725T	p.A909S
7	P030T	ABCA12	NM_015657	c.A515G	p.H172R
8	P030T	DOCK10	NM_014689	c.G5884A	p.E1962K
9	P030T	BSN	NM_003458	c.G3578A	p.R1193H
10	P030T	ATR	NM_001184	c.T2668G	p.L890V
11	P030T	WDFY3	NM_014991	c.G5839A	p.V1947M
12	P030T	NPR3	NM_000908	c.G803A	p.R268Q
13	P030T	TMEM171	NM_001161342	c.G589A	p.E197K
14	P030T	PCDHA9	NM_014005	c.C1243G	p.R415G
15	P030T	KIF4B	NM_001099293	c.G767A	p.R256H
16	P030T	ZNF454	NM_001178089	c.G338T	p.R113I
17	P030T	SAMD9L	NM_152703	c.G209A	p.R70H
18	P030T	CAPZA2	NM_006136	c.C409T	p.P137S
19	P030T	GRM8	NM_001127323	c.G2711A	p.S904N
20	P030T	ADCY8	NM_001115	c.G1537A	p.G513S
21	P030T	EEF1D	NM_001130053	c.G377A	p.R126H
22	P030T	CELF2	NM_001025076	c.G422A	p.R141Q
23	P030T	AP3M1	NM_012095	c.A373G	p.T125A
24	P030T	HECTD2	NM_182765	c.T1617G	p.S539R
25	P030T	NRAP	NM_006175	c.C4497G	p.I1499M
26	P030T	C12orf56	NM_001170633	c.G495T	p.Q165H
27	P030T	NOS1	NM_001204213	c.G2902A	p.A968T
28	P030T	HCAR2	NM_177551	c.G1048A	p.G350S
29	P030T	GJA3	NM_021954	c.T1075C	p.S359P
30	P030T	SUPT16H	NM_007192	c.G1706T	p.R569L
31	P030T	SLC6A2	NM_001043	c.G77A	p.R26Q
32	P030T	ZFH3	NM_001164766	c.C4081T	p.L1361F
33	P030T	TAF1C	NM_001243158	c.C478T	p.R160X
34	P030T	TP53	NM_001126115	c.G422A	p.R141H
35	P030T	ZNF358	NM_018083	c.A215G	p.D72G
36	P030T	LGALS4	NM_006149	c.C124G	p.H42D

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Oncogenic ALK Fusion and RRAS Mutation in KRAS mutation-negative Pancreatic Ductal Adenocarcinoma  
Takashi Kohno et al.

37	P030T	LGALS4	NM_006149	c.C95G	p.S32C
38	P030T	FBL	NM_001436	c.G545A	p.G182D
39	P030T	RRAS	NM_006270	c.A260T	p.Q87L
40	P030T	KLK3	NM_001030047	c.C386T	p.P129L
41	P030T	ZNF813	NM_001004301	c.C1396T	p.R466C
42	P030T	DSCR4	NM_005867	c.G133T	p.E45X
43	P030T	XIAP	NM_001167	c.A407G	p.H136R
44	P030T	ODZ1;TENM1	NM_014253	c.G4352A	p.R1451H
1	P096T	SCNN1D	NM_001130413	c.A1574G	p.H525R
2	P096T	DVL1	NM_004421	c.C64T	p.P22S
3	P096T	ATAD3C	NM_001039211	c.C551T	p.T184M
4	P096T	PEX10	NM_002617	c.G799A	p.V267I
5	P096T	TP73	NM_001126240	c.G10A	p.V4I
6	P096T	DFFB	NM_004402	c.G307A	p.A103T
7	P096T	NPHP4	NM_015102	c.G2735A	p.R912H
8	P096T	NPHP4	NM_015102	c.G2281A	p.G761R
9	P096T	ACOT7	NM_007274	c.G223A	p.A75T
10	P096T	CAMTA1	NM_015215	c.T644C	p.I215T
11	P096T	CLSTN1	NM_014944	c.G2195A	p.R732H
12	P096T	KIF1B	NM_015074	c.G3815A	p.R1272H
13	P096T	EXOSC10	NM_001001998	c.C1961T	p.A654V
14	P096T	EXOSC10	NM_001001998	c.C1180T	p.R394C
15	P096T	FBXO2	NM_012168	c.G109C	p.E37Q
16	P096T	CLCN6	NM_001256959	c.C2143T	p.R715C
17	P096T	PDPN	NM_006474	c.G128A	p.R43H
18	P096T	CLCNKB	NM_000085	c.C79A	p.R27S
19	P096T	FBXO42	NM_018994	c.C1816T	p.P606S
20	P096T	ALPL	NM_001177520	c.G367T	p.G123C
21	P096T	HSPG2	NM_005529	c.G11920A	p.G3974R
22	P096T	EPHA8	NM_020526	c.C2858T	p.A953V
23	P096T	SRRM1	NM_005839	c.C583T	p.R195C
24	P096T	PIGV	NM_001202554	c.C878T	p.P293L
25	P096T	ATPIF1	NM_016311	c.G45T	p.W15C
26	P096T	RCC1	NM_001269	c.G793A	p.G265S
27	P096T	BAI2	NM_001703	c.C205A	p.L69M
28	P096T	LCK	NM_001042771	c.C1292T	p.T431M
29	P096T	HDAC1	NM_004964	c.G146A	p.R49Q
30	P096T	PHC2	NM_198040	c.C1541T	p.P514L
31	P096T	CSMD2	NM_052896	c.C2434T	p.R812W

Supplemental Tables for:

Oncogenic ALK Fusion and RRAS Mutation in KRAS mutation-negative Pancreatic Ductal Adenocarcinoma

Takashi Kohno et al.

32	P096T	MAP7D1	NM_018067	c.C2080T	p.R694W
33	P096T	RRAGC	NM_001271851	c.G325A	p.V109I
34	P096T	KCNQ4	NM_004700	c.G754A	p.A252T
35	P096T	TIE1	NM_001253357	c.C1798A	p.P600T
36	P096T	BEST4	NM_153274	c.G38A	p.R13H
37	P096T	NASP	NM_001195193	c.C20T	p.A7V
38	P096T	TMEM69	NM_016486	c.G325A	p.V109I
39	P096T	IPP	NM_001145349	c.G1139A	p.R380H
40	P096T	CC2D1B	NM_032449	c.G1601A	p.R534Q
41	P096T	CC2D1B	NM_032449	c.C1600T	p.R534W
42	P096T	ORC1	NM_001190818	c.G217A	p.E73K
43	P096T	PODN	NM_001199082	c.C482T	p.P161L
44	P096T	PODN	NM_001199082	c.G1246A	p.G416R
45	P096T	PCSK9	NM_174936	c.G235A	p.V79M
46	P096T	USP24	NM_015306	c.C3820T	p.R1274X
47	P096T	MYSM1	NM_001085487	c.C1495T	p.R499C
48	P096T	ROR1	NM_005012	c.G1286A	p.R429Q
49	P096T	LRRC7	NM_020794	c.G3326T	p.R1109M
50	P096T	CTH	NM_001190463	c.G973T	p.A325S
51	P096T	LPHN2	NM_012302	c.C2549A	p.A850D
52	P096T	GFI1	NM_001127215	c.G913A	p.V305M
53	P096T	ATXN7L2	NM_153340	c.C1099A	p.P367T
54	P096T	EPS8L3	NM_024526	c.A482C	p.Q161P
55	P096T	RBM15	NM_001201545	c.C1780T	p.R594X
56	P096T	SLC16A1	NM_001166496	c.G257A	p.R86H
57	P096T	RSBN1	NM_018364	c.C1654T	p.R552X
58	P096T	NOTCH2	NM_001200001	c.G2858A	p.C953Y
59	P096T	PI4KB	NM_001198775	c.G1423A	p.G475S
60	P096T	FLG	NM_002016	c.A8674G	p.S2892G
61	P096T	FLG	NM_002016	c.C6788T	p.A2263V
62	P096T	FLG	NM_002016	c.G6522T	p.Q2174H
63	P096T	CHTOP	NM_001206612	c.G509A	p.R170H
64	P096T	NPR1	NM_000906	c.G349A	p.G117S
65	P096T	UBAP2L	NM_001127320	c.A1421G	p.Q474R
66	P096T	ADAR	NM_001111	c.G623C	p.S208T
67	P096T	TRIM46	NM_001256599	c.G377A	p.R126Q
68	P096T	RUSC1	NM_001105205	c.C1088T	p.T363I
69	P096T	SMG5	NM_015327	c.C310T	p.R104W
70	P096T	APOA1BP	NM_144772	c.A733C	p.K245Q

Supplemental Tables for:

Oncogenic ALK Fusion and RRAS Mutation in KRAS mutation-negative Pancreatic Ductal Adenocarcinoma

Takashi Kohno et al.

71	P096T	BCAN	NM_021948	c.G1768T	p.G590C
72	P096T	ARHGEF11	NM_014784	c.C1759T	p.R587X
73	P096T	CD1B	NM_001764	c.G700A	p.V234M
74	P096T	TSTD1	NM_001113205	c.A92C	p.E31A
75	P096T	FCGR3A	NM_000569	c.C404T	p.P135L
76	P096T	NOS1AP	NM_001164757	c.G457A	p.V153I
77	P096T	DUSP27	NM_001080426	c.G3082A	p.E1028K
78	P096T	SELL	NM_000655	c.G344T	p.G115V
79	P096T	DARS2	NM_018122	c.G173A	p.R58H
80	P096T	DARS2	NM_018122	c.C1825T	p.R609W
81	P096T	FAM5B	NM_021165	c.G812A	p.R271H
82	P096T	TOR3A	NM_022371	c.G761A	p.R254H
83	P096T	AXDND1	NM_144696	c.G953A	p.R318H
84	P096T	TDRD5	NM_001199092	c.G1581A	p.W527X
85	P096T	FAM163A	NM_173509	c.G358A	p.E120K
86	P096T	KIAA1614	NM_020950	c.C1000T	p.R334X
87	P096T	CACNA1E	NM_000721	c.C20T	p.A7V
88	P096T	RNF2	NM_007212	c.C349T	p.R117C
89	P096T	HMCN1	NM_031935	c.C4112T	p.S1371L
90	P096T	HMCN1	NM_031935	c.G7868A	p.R2623H
91	P096T	CFHR3	NM_001166624	c.T428C	p.V143A
92	P096T	LAD1	NM_005558	c.C566T	p.T189M
93	P096T	OPTC	NM_014359	c.G250A	p.A84T
94	P096T	MFSD4	NM_181644	c.G418A	p.V140I
95	P096T	FAIM3	NM_001142473	c.C206T	p.T69I
96	P096T	NENF	NM_013349	c.C250T	p.R84X
97	P096T	C1orf227	NM_001024601	c.C262T	p.H88Y
98	P096T	KCTD3	NM_016121	c.C662T	p.T221M
99	P096T	TGFB2	NM_001135599	c.A311G	p.Y104C
100	P096T	MIA3	NM_198551	c.T5303A	p.V1768D
101	P096T	CAPN2	NM_001146068	c.G553A	p.A185T
102	P096T	ACBD3	NM_022735	c.C616T	p.R206C
103	P096T	OBSCN	NM_001098623	c.G2834A	p.R945H
104	P096T	PCNXL2	NM_014801	c.C593A	p.P198H
105	P096T	RBM34	NM_001161533	c.C62A	p.P21H
106	P096T	RYR2	NM_001035	c.G3026A	p.R1009Q
107	P096T	OR2C3	NM_198074	c.G334A	p.E112K
108	P096T	PXDN	NM_012293	c.C3644T	p.P1215L
109	P096T	KIDINS220	NM_020738	c.C2072A	p.A691D

Supplemental Tables for:

Oncogenic ALK Fusion and RRAS Mutation in KRAS mutation-negative Pancreatic Ductal Adenocarcinoma

Takashi Kohno et al.

110	P096T	NTSR2	NM_012344	c.G869A	p.R290H
111	P096T	NTSR2	NM_012344	c.C250G	p.L84V
112	P096T	AGBL5	NM_001035507	c.C361T	p.R121C
113	P096T	PPM1G	NM_177983	c.C800T	p.A267V
114	P096T	IFT172	NM_015662	c.G1829A	p.R610Q
115	P096T	BIRC6	NM_016252	c.G7681A	p.V2561I
116	P096T	PREPL	NM_001042385	c.G1969A	p.E657K
117	P096T	MSH6	NM_000179	c.A2074T	p.K692X
118	P096T	B3GNT2	NM_006577	c.C242T	p.T81M
119	P096T	ETAA1	NM_019002	c.A1057G	p.T353A
120	P096T	ANXA4	NM_001153	c.C427T	p.R143C
121	P096T	ACTG2	NM_001199893	c.G113A	p.R38H
122	P096T	DQX1	NM_133637	c.C1546T	p.R516C
123	P096T	DQX1	NM_133637	c.A590G	p.D197G
124	P096T	FER1L5	NM_001113382	c.T449C	p.M150T
125	P096T	FER1L5	NM_001113382	c.C2974T	p.R992C
126	P096T	ANKRD36	NM_001164315	c.C4823T	p.T1608M
127	P096T	VWA3B	NM_144992	c.C3758T	p.A1253V
128	P096T	RPL31	NM_001098577	c.G373A	p.A125T
129	P096T	MRPS9	NM_182640	c.G57T	p.W19C
130	P096T	RANBP2	NM_006267	c.A9187G	p.N3063D
131	P096T	BUB1	NM_004336	c.G1470C	p.W490C
132	P096T	BCL2L11	NM_001204108	c.A325C	p.S109R
133	P096T	BCL2L11	NM_001204106	c.G256A	p.E86K
134	P096T	CNTNAP5	NM_130773	c.C1927T	p.R643W
135	P096T	PROC	NM_000312	c.C162A	p.S54R
136	P096T	MZT2B	NM_025029	c.A326G	p.N109S
137	P096T	MGAT5	NM_002410	c.G287A	p.R96H
138	P096T	MCM6	NM_005915	c.A636C	p.Q212H
139	P096T	NEB	NM_004543	c.G19870A	p.A6624T
140	P096T	FMNL2	NM_052905	c.T1142C	p.L381P
141	P096T	PKP4	NM_001005476	c.G1784A	p.R595Q
142	P096T	PLA2R1	NM_001007267	c.C1109T	p.A370V
143	P096T	ITGB6	NM_000888	c.G523A	p.G175R
144	P096T	XIRP2	NM_001199144	c.C2258T	p.A753V
145	P096T	LRP2	NM_004525	c.G6443A	p.R2148Q
146	P096T	LRP2	NM_004525	c.G2540A	p.R847H
147	P096T	CDCA7	NM_145810	c.C997T	p.R333W
148	P096T	AC018470.1;SP9	NM_001145250	c.C1150T	p.R384W

Supplemental Tables for:

Oncogenic ALK Fusion and RRAS Mutation in KRAS mutation-negative Pancreatic Ductal Adenocarcinoma

Takashi Kohno et al.

149	P096T	CHRNA1	NM_000079	c.G1346A	p.R449Q
150	P096T	TTN	NM_003319	c.G70810A	p.A23604T
151	P096T	TTN	NM_003319	c.C39599T	p.A13200V
152	P096T	TTN	NM_003319	c.G13907A	p.G4636D
153	P096T	CCDC141	NM_173648	c.G4264A	p.E1422K
154	P096T	ZNF804A	NM_194250	c.C2795T	p.T932I
155	P096T	FSIP2	NM_173651	c.A16187G	p.D5396G
156	P096T	MYO1B	NM_001130158	c.G2295T	p.K765N
157	P096T	DNAH7	NM_018897	c.C2851T	p.R951X
158	P096T	FAM117B	NM_173511	c.C1027T	p.R343W
159	P096T	ZDBF2	NM_020923	c.C6118T	p.R2040W
160	P096T	ADAM23	NM_003812	c.C218T	p.P73L
161	P096T	FN1	NM_002026	c.G665A	p.R222H
162	P096T	TNS1	NM_022648	c.C374T	p.A125V
163	P096T	SPEG	NM_005876	c.G7637A	p.R2546H
164	P096T	CHPF	NM_001195731	c.C1240T	p.R414C
165	P096T	TMEM198	NM_001005209	c.G818A	p.R273Q
166	P096T	OBSL1	NM_001173431	c.C4420T	p.R1474X
167	P096T	SERPINE2	NM_001136528	c.C679T	p.R227W
168	P096T	COL4A3	NM_000091	c.G861T	p.K287N
169	P096T	SPHKAP	NM_001142644	c.G2572A	p.E858K
170	P096T	TRIP12	NM_004238	c.G4772A	p.R1591H
171	P096T	SP100	NM_001080391	c.G2152A	p.D718N
172	P096T	ARMC9	NM_025139	c.C1021T	p.R341C
173	P096T	NCL	NM_005381	c.G1649A	p.G550D
174	P096T	ECEL1	NM_004826	c.G727A	p.A243T
175	P096T	GIGYF2	NM_001103148	c.G322C	p.G108R
176	P096T	ATG16L1	NM_001190266	c.C211A	p.L71I
177	P096T	ATG16L1	NM_198890	c.G683A	p.R228Q
178	P096T	TRPM8	NM_024080	c.G1424A	p.R475H
179	P096T	IQCA1	NM_001270584	c.C655T	p.R219X
180	P096T	IQCA1	NM_001270584	c.A182C	p.D61A
181	P096T	SNED1	NM_001080437	c.G335A	p.R112H
182	P096T	BOK	NM_032515	c.G403A	p.V135M
183	P096T	CNTN4	NM_001206956	c.T293C	p.V98A
184	P096T	CRBN	NM_001173482	c.A311G	p.Q104R
185	P096T	LRRN1	NM_020873	c.G1553T	p.G518V
186	P096T	SETD5	NM_001080517	c.G2702A	p.C901Y
187	P096T	CAMK1	NM_003656	c.C1073T	p.P358L

Supplemental Tables for:

Oncogenic ALK Fusion and RRAS Mutation in KRAS mutation-negative Pancreatic Ductal Adenocarcinoma

Takashi Kohno et al.

188	P096T	C3orf24;FANCD2OS	NM_001164839	c.C68T	p.T23M
189	P096T	FGD5	NM_152536	c.G1168A	p.V390M
190	P096T	SATB1	NM_001131010	c.G872A	p.G291D
191	P096T	EOMES	NM_005442	c.C470T	p.A157V
192	P096T	SNRK	NM_001100594	c.G230A	p.R77H
193	P096T	TMIE	NM_147196	c.A173G	p.H58R
194	P096T	NBEAL2	NM_015175	c.G1799T	p.G600V
195	P096T	DALRD3	NM_001009996	c.G985A	p.A329T
196	P096T	USP19	NM_006677	c.G1118A	p.R373H
197	P096T	LAMB2	NM_002292	c.G752A	p.R251H
198	P096T	C3orf62	NM_198562	c.C296T	p.P99L
199	P096T	CDHR4	NM_001007540	c.G368A	p.S123N
200	P096T	CAMKV	NM_024046	c.G805A	p.V269M
201	P096T	ZMYND10	NM_015896	c.A663T	p.E221D
202	P096T	MAPKAPK3	NM_001243925	c.G936T	p.Q312H
203	P096T	DOCK3	NM_004947	c.T3642G	p.N1214K
204	P096T	RBM15B	NM_013286	c.G1294A	p.A432T
205	P096T	PCBP4	NM_020418	c.G541A	p.V181I
206	P096T	SEMA3G	NM_020163	c.C520A	p.P174T
207	P096T	CHDH	NM_018397	c.C179T	p.T60M
208	P096T	DNAH12	NM_178504	c.C5572T	p.Q1858X
209	P096T	FLNB	NM_001164317	c.G1111A	p.A371T
210	P096T	TMF1	NM_007114	c.A871G	p.T291A
211	P096T	GXYLT2	NM_001080393	c.G749A	p.G250D
212	P096T	CNTN3	NM_020872	c.G991A	p.V331M
213	P096T	HHLA2	NM_007072	c.G178A	p.V60I
214	P096T	MORC1	NM_014429	c.C28T	p.R10W
215	P096T	TAGLN3	NM_001008273	c.C134T	p.P45L
216	P096T	CCDC80	NM_199511	c.G1385A	p.R462H
217	P096T	BOC	NM_033254	c.C1173A	p.C391X
218	P096T	BOC	NM_033254	c.C1664T	p.A555V
219	P096T	BOC	NM_033254	c.C1769T	p.A590V
220	P096T	ZBTB20	NM_001164342	c.G833A	p.R278H
221	P096T	GOLGB1	NM_001256488	c.A3962G	p.E1321G
222	P096T	MYLK	NM_053026	c.G4493A	p.R1498Q
223	P096T	KIAA1257	NM_020741	c.C494T	p.S165L
224	P096T	TF	NM_001063	c.G1345A	p.A449T
225	P096T	MSL2	NM_001145417	c.G1321A	p.V441M
226	P096T	NMNAT3	NM_178177	c.C124T	p.R42W



Supplemental Tables for:  
Oncogenic ALK Fusion and RRAS Mutation in KRAS mutation-negative Pancreatic Ductal Adenocarcinoma  
Takashi Kohno et al.

227	P096T	TRIM42	NM_152616	c.A1105G	p.K369E
228	P096T	TNIK	NM_001161560	c.G643A	p.D215N
229	P096T	FNDC3B	NM_001135095	c.C2218T	p.R740C
230	P096T	ABCC5	NM_001023587	c.C575T	p.A192V
231	P096T	DVL3	NM_004423	c.C1253A	p.A418D
232	P096T	AHSG	NM_001622	c.G1019A	p.R340H
233	P096T	MFI2	NM_005929	c.G1468A	p.V490M
234	P096T	LMLN	NM_033029	c.G1423A	p.V475M
235	P096T	PDE6B	NM_001145292	c.G1495A	p.V499M
236	P096T	LETM1	NM_012318	c.G1184T	p.R395M
237	P096T	NOP14	NM_003703	c.C2050T	p.R684X
238	P096T	OTOP1	NM_177998	c.T986C	p.V329A
239	P096T	WFS1	NM_001145853	c.C2051T	p.A684V
240	P096T	DTHD1	NM_001170700	c.G940A	p.A314T
241	P096T	C4orf19	NM_018302	c.G833A	p.G278D
242	P096T	KLB	NM_175737	c.G2350A	p.A784T
243	P096T	UGDH	NM_001184700	c.C52T	p.P18S
244	P096T	ATP8A1	NM_001105529	c.C2608T	p.Q870X
245	P096T	CORIN	NM_006587	c.T2092G	p.S698A
246	P096T	GSX2	NM_133267	c.C691T	p.R231W
247	P096T	CEP135	NM_025009	c.C3343T	p.R1115C
248	P096T	UGT2B17	NM_001077	c.G460A	p.V154I
249	P096T	AFP	NM_001134	c.A1456G	p.I486V
250	P096T	SHROOM3	NM_020859	c.G1642A	p.A548T
251	P096T	FRAS1	NM_001166133	c.C1489T	p.P497S
252	P096T	ARHGAP24	NM_031305	c.C1825T	p.R609X
253	P096T	HERC6	NM_001165136	c.G473T	p.G158V
254	P096T	CISD2	NM_001008388	c.C317T	p.T106M
255	P096T	PAPSS1	NM_005443	c.C151T	p.R51C
256	P096T	EGF	NM_001178130	c.G3147A	p.M1049I
257	P096T	FAT4	NM_024582	c.C3776A	p.A1259D
258	P096T	POU4F2	NM_004575	c.G844A	p.A282T
259	P096T	MAB21L2	NM_006439	c.G72T	p.K24N
260	P096T	FBXW7	NM_001013415	c.C1711T	p.R571W
261	P096T	DCHS2	NM_001142552	c.T178G	p.S60A
262	P096T	FNIP2	NM_020840	c.C1576T	p.R526C
263	P096T	GPM6A	NM_001261447	c.G541A	p.V181M
264	P096T	WWC2	NM_024949	c.G3281A	p.R1094Q
265	P096T	EXOC3	NM_007277	c.C1022T	p.T341M

Supplemental Tables for:  
Oncogenic ALK Fusion and RRAS Mutation in KRAS mutation-negative Pancreatic Ductal Adenocarcinoma  
Takashi Kohno et al.

266	P096T	SLC6A19	NM_001003841	c.G1282T	p.G428W
267	P096T	SLC6A3	NM_001044	c.G940A	p.A314T
268	P096T	TRIO	NM_007118	c.C4282T	p.R1428X
269	P096T	FBXL7	NM_012304	c.C592T	p.R198W
270	P096T	MYO10	NM_012334	c.A3755G	p.D1252G
271	P096T	RXFP3	NM_016568	c.T419C	p.V140A
272	P096T	C5orf28	NM_022483	c.C472T	p.R158X
273	P096T	PIK3R1	NM_001242466	c.A640G	p.R214G
274	P096T	TTC37	NM_014639	c.C4535T	p.P1512L
275	P096T	PIIP5K2	NM_015216	c.C3485T	p.T1162M
276	P096T	MCC	NM_001085377	c.G46A	p.G16S
277	P096T	SOWAHA	NM_175873	c.C664T	p.R222C
278	P096T	AFF4	NM_014423	c.G1520A	p.R507Q
279	P096T	HSPA4	NM_002154	c.C460T	p.R154X
280	P096T	SLC25A48	NM_145282	c.G389A	p.R130Q
281	P096T	PCDHA1	NM_018900	c.G336T	p.R112S
282	P096T	PCDHA6	NM_018909	c.C1556T	p.A519V
283	P096T	PCDHA9	NM_014005	c.C2252T	p.S751L
284	P096T	PCDHB5	NM_015669	c.C391T	p.P131S
285	P096T	PCDHB6	NM_018939	c.C389T	p.P130L
286	P096T	PCDHGA2	NM_018915	c.G1744A	p.A582T
287	P096T	PCDH12	NM_016580	c.G1588A	p.G530S
288	P096T	CSF1R	NM_005211	c.C2257T	p.R753W
289	P096T	SYNPO	NM_001109974	c.T1796C	p.V599A
290	P096T	LARP1	NM_015315	c.G2450A	p.R817H
291	P096T	ADAM19	NM_033274	c.G19A	p.A7T
292	P096T	ODZ2;TENM2	NM_001122679	c.C4327T	p.R1443C
293	P096T	FOXI1	NM_012188	c.C1013T	p.A338V
294	P096T	FGF18	NM_003862	c.C496T	p.R166W
295	P096T	SH3PXD2B	NM_001017995	c.G2456A	p.R819Q
296	P096T	CPEB4	NM_030627	c.C2020T	p.R674C
297	P096T	C5orf25;SIMC1	NM_198567	c.G1238A	p.R413H
298	P096T	CDHR2	NM_001171976	c.G1148A	p.R383H
299	P096T	GRK6	NM_001004105	c.C1318T	p.R440C
300	P096T	NHP2	NM_017838	c.C335T	p.T112M
301	P096T	COL23A1	NM_173465	c.G1159A	p.G387S
302	P096T	HNRNPH1	NM_001257293	c.G1165A	p.G389S
303	P096T	MAML1	NM_014757	c.C2534T	p.P845L
304	P096T	SLC22A23	NM_015482	c.G1969A	p.E657K

Supplemental Tables for:  
Oncogenic ALK Fusion and RRAS Mutation in KRAS mutation-negative Pancreatic Ductal Adenocarcinoma  
Takashi Kohno et al.

305	P096T	TFAP2A	NM_001032280	c.G1030A	p.D344N
306	P096T	ALDH5A1	NM_001080	c.G430A	p.A144T
307	P096T	MUC22	NM_001198815	c.C965T	p.T322M
308	P096T	LTB	NM_002341	c.T290C	p.L97P
309	P096T	SAPCD1	NM_001039651	c.C223T	p.R75X
310	P096T	TNXB	NM_019105	c.C226T	p.R76C
311	P096T	HLA-DQB2	NM_001198858	c.A124G	p.M42V
312	P096T	RGL2	NM_004761	c.G215A	p.R72H
313	P096T	ITPR3	NM_002224	c.C6565T	p.R2189C
314	P096T	GRM4	NM_000841	c.G446A	p.R149H
315	P096T	DNAH8	NM_001206927	c.G7060A	p.V2354I
316	P096T	SAYSD1	NM_018322	c.C487A	p.Q163K
317	P096T	USP49	NM_018561	c.G566A	p.R189Q
318	P096T	BYSL	NM_004053	c.G1064A	p.R355Q
319	P096T	KLHDC3	NM_057161	c.G164A	p.R55H
320	P096T	PTK7	NM_001270398	c.G314A	p.G105D
321	P096T	TJAP1	NM_001146020	c.C1594T	p.R532C
322	P096T	POLH	NM_006502	c.G2029A	p.V677I
323	P096T	ELOVL4	NM_022726	c.C121T	p.P41S
324	P096T	SNAP91	NM_001256718	c.G1267A	p.A423T
325	P096T	TBX18	NM_001080508	c.G241A	p.A81T
326	P096T	ZNF292	NM_015021	c.C6946T	p.R2316W
327	P096T	GABRR1	NM_001256703	c.C781T	p.R261C
328	P096T	BACH2	NM_001170794	c.C91T	p.R31W
329	P096T	KLHL32	NM_052904	c.T524C	p.L175P
330	P096T	PRDM13	NM_021620	c.G68A	p.R23H
331	P096T	ASCC3	NM_006828	c.G2774A	p.R925Q
332	P096T	GPR6	NM_005284	c.G610A	p.V204M
333	P096T	MCM9	NM_017696	c.G985A	p.A329T
334	P096T	TRMT11	NM_001031712	c.G537C	p.Q179H
335	P096T	KIAA0408	NM_014702	c.C1895T	p.P632L
336	P096T	AHI1	NM_001134830	c.G1484A	p.R495H
337	P096T	KIAA1244	NM_020340	c.C6167A	p.P2056H
338	P096T	GPR126	NM_001032394	c.C2440T	p.H814Y
339	P096T	UTRN	NM_007124	c.G4891A	p.A1631T
340	P096T	ADGB;C6orf103	NM_024694	c.C4633T	p.R1545W
341	P096T	FNDC1	NM_032532	c.C2420T	p.T807M
342	P096T	SMOC2	NM_001166412	c.G271A	p.V91M
343	P096T	DLL1	NM_005618	c.G541A	p.E181K

Supplemental Tables for:

Oncogenic ALK Fusion and RRAS Mutation in KRAS mutation-negative Pancreatic Ductal Adenocarcinoma

Takashi Kohno et al.

344	P096T	INTS1	NM_001080453	c.G3287A	p.R1096H
345	P096T	INTS1	NM_001080453	c.G904A	p.A302T
346	P096T	SDK1	NM_001079653	c.G1333A	p.A445T
347	P096T	RADIL	NM_018059	c.C3160T	p.R1054W
348	P096T	PAPOLB	NM_020144	c.G43C	p.A15P
349	P096T	FBXL18	NM_024963	c.C616T	p.R206C
350	P096T	ZDHHC4	NM_001134387	c.T268G	p.Y90D
351	P096T	ABCB5	NM_178559	c.G2140A	p.G714S
352	P096T	DNAH11	NM_001277115	c.G6010A	p.E2004K
353	P096T	HOXA9;RP1-170O19.20	NM_152739	c.C521T	p.A174V
354	P096T	CPVL	NM_019029	c.C335T	p.P112L
355	P096T	TBX20	NM_001077653	c.C797T	p.A266V
356	P096T	INHBA	NM_002192	c.G793A	p.E265K
357	P096T	MRPL32	NM_031903	c.G387T	p.K129N
358	P096T	STK17A	NM_004760	c.C266T	p.A89V
359	P096T	URGCP	NM_017920	c.G773A	p.R258H
360	P096T	IGFBP3	NM_000598	c.C35T	p.A12V
361	P096T	TNS3	NM_022748	c.C2581T	p.R861C
362	P096T	ZNF479	NM_033273	c.G1064A	p.C355Y
363	P096T	NSUN5	NM_001168347	c.C1057T	p.R353W
364	P096T	WBSCR22	NM_017528	c.C724T	p.R242W
365	P096T	WBSCR27	NM_152559	c.A527G	p.Y176C
366	P096T	CLIP2	NM_003388	c.G1042A	p.A348T
367	P096T	GSAP;PION	NM_017439	c.G1297A	p.A433T
368	P096T	CACNA2D1	NM_000722	c.C3091T	p.P1031S
369	P096T	KIAA1324L	NM_152748	c.C2396T	p.T799M
370	P096T	DMTF1	NM_001142326	c.G444T	p.K148N
371	P096T	C7orf63	NM_001039706	c.G917A	p.R306H
372	P096T	SAMD9L	NM_152703	c.G1766A	p.R589Q
373	P096T	CALCR	NM_001164738	c.G847A	p.V283M
374	P096T	DYNC1I1	NM_001135556	c.A350G	p.Q117R
375	P096T	DLX6	NM_005222	c.G310T	p.G104X
376	P096T	NYAP1	NM_173564	c.G470A	p.R157Q
377	P096T	NYAP1	NM_173564	c.G902A	p.R301H
378	P096T	MOSPD3	NM_001040099	c.G488A	p.R163H
379	P096T	WNT16	NM_016087	c.G280A	p.G94S
380	P096T	ASB15	NM_080928	c.T1331C	p.M444T
381	P096T	FAM40B;STRIP2	NM_020704	c.G2333A	p.R778H
382	P096T	WDR91	NM_014149	c.G1789A	p.A597T

Supplemental Tables for:

Oncogenic ALK Fusion and RRAS Mutation in KRAS mutation-negative Pancreatic Ductal Adenocarcinoma

Takashi Kohno et al.

383	P096T	PRSS1	NM_002769	c.G284A	p.R95H
384	P096T	TRPV6	NM_018646	c.C1261A	p.L421I
385	P096T	TMEM139	NM_001242777	c.C76T	p.R26W
386	P096T	OR2A25	NM_001004488	c.C361T	p.R121W
387	P096T	TPK1	NM_001042482	c.G98A	p.R33H
388	P096T	ZNF282	NM_003575	c.C1931T	p.S644L
389	P096T	ZNF783	NM_001195220	c.G511A	p.V171M
390	P096T	ZNF777	NM_015694	c.G1558A	p.V520M
391	P096T	SSPO	NM_198455	c.C11110T	p.R3704C
392	P096T	REPIN1	NM_014374	c.C959T	p.S320L
393	P096T	ABP1	NM_001091	c.G1550A	p.R517H
394	P096T	AGAP3	NM_031946	c.T2321C	p.F774S
395	P096T	NCAPG2	NM_017760	c.G349A	p.E117K
396	P096T	KBTBD11	NM_014867	c.C1291T	p.R431C
397	P096T	CSMD1	NM_033225	c.G5278A	p.G1760S
398	P096T	MTMR7	NM_004686	c.G1400A	p.R467Q
399	P096T	DOK2	NM_003974	c.G137A	p.G46D
400	P096T	LGI3	NM_139278	c.C1378T	p.Q460X
401	P096T	EGR3	NM_001199880	c.A559G	p.I187V
402	P096T	TNFRSF10B	NM_003842	c.C790T	p.R264X
403	P096T	ADRA1A	NM_000680	c.A19G	p.N7D
404	P096T	STMN4	NM_030795	c.G217A	p.V73I
405	P096T	SCARA3	NM_016240	c.G895A	p.D299N
406	P096T	C8orf80;NUGGC	NM_001010906	c.G958A	p.D320N
407	P096T	SFRP1	NM_003012	c.C539A	p.P180H
408	P096T	ANK1	NM_001142445	c.C310T	p.R104C
409	P096T	KIAA0146	NM_001080394	c.G2362A	p.E788K
410	P096T	CHD7	NM_017780	c.G584A	p.R195H
411	P096T	CRISPLD1	NM_031461	c.G782A	p.R261Q
412	P096T	ZFHX4	NM_024721	c.C6553T	p.R2185X
413	P096T	DECR1	NM_001359	c.G901A	p.G301S
414	P096T	RUNX1T1	NM_175636	c.G1390A	p.A464T
415	P096T	TMEM74	NM_153015	c.G475A	p.E159K
416	P096T	TRPS1	NM_014112	c.C2893T	p.R965C
417	P096T	DEPTOR	NM_022783	c.G674A	p.R225Q
418	P096T	ADCY8	NM_001115	c.A3647G	p.N1216S
419	P096T	COL22A1	NM_152888	c.G2944A	p.G982R
420	P096T	LY6K	NM_001160354	c.G157A	p.E53K
421	P096T	NAPRT1	NM_145201	c.G205A	p.A69T

Supplemental Tables for:

Oncogenic ALK Fusion and RRAS Mutation in KRAS mutation-negative Pancreatic Ductal Adenocarcinoma

Takashi Kohno et al.

422	P096T	FAM83H	NM_198488	c.C1348T	p.R450C
423	P096T	SCRIB	NM_015356	c.G2407A	p.A803T
424	P096T	PLEC	NM_201378	c.C5612T	p.A1871V
425	P096T	PLEC	NM_201380	c.G127A	p.V43I
426	P096T	OPLAH	NM_017570	c.C679T	p.R227C
427	P096T	ZNF250	NM_001109689	c.G785A	p.S262N
428	P096T	CDKN2A	NM_000077	c.C238T	p.R80X
429	P096T	TOPORS	NM_001195622	c.G1613A	p.R538H
430	P096T	FAM205A	NM_001141917	c.G3256T	p.G1086W
431	P096T	TLN1	NM_006289	c.C6941T	p.A2314V
432	P096T	NPR2	NM_003995	c.G494A	p.R165H
433	P096T	NPR2	NM_003995	c.T605C	p.V202A
434	P096T	MELK	NM_001256689	c.G62A	p.R21Q
435	P096T	ALDH1B1	NM_000692	c.G284A	p.R95Q
436	P096T	APBA1	NM_001163	c.G373A	p.E125K
437	P096T	PCSK5	NM_006200	c.C2645T	p.A882V
438	P096T	PCSK5	NM_001190482	c.T5116C	p.C1706R
439	P096T	DAPK1	NM_004938	c.G106A	p.G36S
440	P096T	SECISBP2	NM_024077	c.G1756A	p.E586K
441	P096T	FAM120A	NM_014612	c.G1935A	p.W645X
442	P096T	PTCH1	NM_000264	c.G4081A	p.V1361M
443	P096T	TRIM14	NM_014788	c.G583A	p.G195R
444	P096T	GRIN3A	NM_133445	c.G3026A	p.R1009H
445	P096T	NIPSNAP3A	NM_015469	c.G617A	p.R206H
446	P096T	CTNNA1	NM_003798	c.G1074T	p.Q358H
447	P096T	SVEP1	NM_153366	c.G4794T	p.E1598D
448	P096T	LPAR1	NM_001401	c.C988T	p.R330C
449	P096T	LPAR1	NM_001401	c.C232T	p.R78C
450	P096T	COL27A1	NM_032888	c.G4618A	p.A1540T
451	P096T	TNC	NM_002160	c.G4910A	p.R1637H
452	P096T	C5	NM_001735	c.C3736T	p.R1246C
453	P096T	PSMB7	NM_002799	c.G344A	p.R115H
454	P096T	GPR144	NM_001161808	c.A1244G	p.H415R
455	P096T	ZDHHC12	NM_032799	c.C361T	p.R121C
456	P096T	USP20	NM_001008563	c.G2707A	p.G903R
457	P096T	FNBP1	NM_015033	c.A623G	p.H208R
458	P096T	ABL1	NM_005157	c.C2134T	p.R712C
459	P096T	AK8	NM_152572	c.G679A	p.V227I
460	P096T	TSC1	NM_001162427	c.C1999T	p.R667W

Supplemental Tables for:  
Oncogenic ALK Fusion and RRAS Mutation in KRAS mutation-negative Pancreatic Ductal Adenocarcinoma  
Takashi Kohno et al.

461	P096T	ADAMTS13	NM_139025	c.G3494A	p.R1165Q
462	P096T	COL5A1	NM_000093	c.G1351A	p.E451K
463	P096T	COL5A1	NM_000093	c.G2936A	p.G979E
464	P096T	OLFM1	NM_014279	c.C404T	p.A135V
465	P096T	PPP1R26	NM_014811	c.C1408T	p.R470W
466	P096T	INPP5E	NM_019892	c.C1064T	p.T355M
467	P096T	INPP5E	NM_019892	c.C860T	p.A287V
468	P096T	C9orf167;TOR4A	NM_017723	c.G247A	p.A83T
469	P096T	PNPLA7	NM_152286	c.C3359T	p.A1120V
470	P096T	CACNA1B	NM_000718	c.C2563T	p.R855C
471	P096T	ADARB2	NM_018702	c.G242A	p.R81Q
472	P096T	PITRM1	NM_001242309	c.C485T	p.T162M
473	P096T	USP6NL	NM_001080491	c.G1738A	p.A580T
474	P096T	PTER	NM_001261838	c.C427T	p.R143X
475	P096T	GPR158	NM_020752	c.A1856G	p.N619S
476	P096T	LYZL2	NM_183058	c.C149T	p.A50V
477	P096T	ZNF22	NM_006963	c.A363C	p.K121N
478	P096T	ZFAND4	NM_001128324	c.G545A	p.R182Q
479	P096T	RBP3	NM_002900	c.A385G	p.N129D
480	P096T	GDF2	NM_016204	c.G1283A	p.C428Y
481	P096T	MAPK8	NM_002750	c.G449A	p.R150Q
482	P096T	OGDHL	NM_001143997	c.G2246A	p.R749H
483	P096T	OGDHL	NM_001143997	c.G1292A	p.W431X
484	P096T	A1CF	NM_014576	c.G62A	p.R21H
485	P096T	BICC1	NM_001080512	c.A253G	p.N85D
486	P096T	SLC16A9	NM_194298	c.C971T	p.S324L
487	P096T	ARID5B	NM_001244638	c.C2762A	p.P921H
488	P096T	JMJD1C	NM_004241	c.G5103A	p.M1701I
489	P096T	LRRTM3	NM_178011	c.G1273A	p.V425M
490	P096T	DNAJC12	NM_021800	c.A125G	p.H42R
491	P096T	MYPN	NM_032578	c.G2765A	p.R922H
492	P096T	SLC29A3	NM_001174098	c.C73T	p.R25X
493	P096T	CDH23	NM_022124	c.C4316T	p.A1439V
494	P096T	CAMK2G	NM_001204492	c.G454A	p.A152T
495	P096T	POLR3A	NM_007055	c.C2135T	p.A712V
496	P096T	POLR3A	NM_007055	c.G86A	p.R29H
497	P096T	MMRN2	NM_024756	c.G931A	p.V311M
498	P096T	ALDH18A1	NM_001017423	c.A2374G	p.T792A
499	P096T	SLIT1	NM_003061	c.G3055A	p.V1019I

Supplemental Tables for:

Oncogenic ALK Fusion and RRAS Mutation in KRAS mutation-negative Pancreatic Ductal Adenocarcinoma

Takashi Kohno et al.

500	P096T	MMS19	NM_022362	c.G917A	p.R306H
501	P096T	HPS1	NM_000195	c.G598A	p.E200K
502	P096T	ABCC2	NM_000392	c.G565A	p.E189K
503	P096T	CPN1	NM_001308	c.C734T	p.T245M
504	P096T	LZTS2	NM_032429	c.C1777T	p.R593W
505	P096T	TLX1	NM_001195517	c.G430A	p.V144M
506	P096T	NOLC1	NM_004741	c.A724G	p.T242A
507	P096T	PCGF6	NM_001011663	c.C137T	p.A46V
508	P096T	TAF5	NM_006951	c.A1565G	p.D522G
509	P096T	PDCD4	NM_001199492	c.G115C	p.A39P
510	P096T	DPYSL4	NM_006426	c.C986T	p.T329I
511	P096T	PWWP2B	NM_001098637	c.C1342T	p.P448S
512	P096T	MTG1	NM_138384	c.G616A	p.V206M
513	P096T	ANO9	NM_001012302	c.G1343A	p.G448D
514	P096T	DRD4	NM_000797	c.C1105T	p.Q369X
515	P096T	TSPAN4	NM_001025238	c.C490T	p.R164W
516	P096T	AP2A2	NM_001242837	c.G2313T	p.Q771H
517	P096T	OSBPL5	NM_001144063	c.C757T	p.R253W
518	P096T	OR52W1	NM_001005178	c.G398A	p.R133H
519	P096T	ARFIP2	NM_001242856	c.C455T	p.A152V
520	P096T	DCHS1	NM_003737	c.C6503T	p.A2168V
521	P096T	NLRP10	NM_176821	c.G1475A	p.R492H
522	P096T	MRVI1	NM_001098579	c.C647T	p.P216L
523	P096T	ARNTL	NM_001030272	c.G988A	p.G330R
524	P096T	INSC	NM_001031853	c.C379T	p.R127W
525	P096T	KCNC1	NM_001112741	c.C1268T	p.A423V
526	P096T	DEPDC7	NM_001077242	c.G1318A	p.G440R
527	P096T	ALKBH3	NM_139178	c.C65T	p.A22V
528	P096T	MAPK8IP1	NM_005456	c.C1594T	p.R532C
529	P096T	HARBI1	NM_173811	c.C649T	p.H217Y
530	P096T	ARFGAP2	NM_001242832	c.C1231T	p.R411W
531	P096T	PSMC3	NM_002804	c.G911A	p.R304Q
532	P096T	OR4C6	NM_001004704	c.G460A	p.A154T
533	P096T	MS4A15	NM_001098835	c.C227T	p.T76M
534	P096T	LRRC10B	NM_001145077	c.C439T	p.R147W
535	P096T	DAGLA	NM_006133	c.G245A	p.R82H
536	P096T	BSCL2	NM_001122955	c.C773T	p.P258L
537	P096T	MARK2	NM_001039469	c.G905A	p.R302Q
538	P096T	FERMT3	NM_031471	c.G1434A	p.T478T



Supplemental Tables for:  
Oncogenic ALK Fusion and RRAS Mutation in KRAS mutation-negative Pancreatic Ductal Adenocarcinoma  
Takashi Kohno et al.

539	P096T	TRPT1	NM_001160393	c.G140A	p.G47E
540	P096T	CCDC88B	NM_032251	c.C2336T	p.A779V
541	P096T	SLC22A11	NM_018484	c.C668T	p.T223M
542	P096T	NRXN2	NM_138734	c.C637T	p.R213C
543	P096T	CDC42BPG	NM_017525	c.G2804A	p.R935H
544	P096T	ATG2A	NM_015104	c.C719T	p.P240L
545	P096T	CAPN1	NM_001198868	c.G1522A	p.D508N
546	P096T	FRMD8	NM_031904	c.G745A	p.A249T
547	P096T	EHBP1L1	NM_001099409	c.G149A	p.R50H
548	P096T	CTSW	NM_001335	c.C817T	p.R273W
549	P096T	SART1	NM_005146	c.G208A	p.A70T
550	P096T	CCDC87	NM_018219	c.C2207T	p.A736V
551	P096T	PC	NM_022172	c.C1930T	p.R644W
552	P096T	KDM2A	NM_012308	c.G1040A	p.R347H
553	P096T	SSH3	NM_017857	c.C1255T	p.R419C
554	P096T	LRP5	NM_002335	c.C3196T	p.R1066C
555	P096T	DHCR7	NM_001163817	c.C748T	p.L250F
556	P096T	LRTOMT	NM_001145308	c.C585T	p.D195D
557	P096T	STARD10	NM_006645	c.G383A	p.R128H
558	P096T	SLCO2B1	NM_001145212	c.C1471T	p.R491C
559	P096T	MYO7A	NM_000260	c.G1210A	p.G404R
560	P096T	GDPD4	NM_182833	c.G916A	p.A306T
561	P096T	USP35	NM_020798	c.G1666A	p.E556K
562	P096T	DLG2	NM_001142700	c.C301T	p.R101W
563	P096T	FAT3	NM_001008781	c.G12412A	p.V4138M
564	P096T	KDM4DL;KDM4E	NM_001161630	c.T778C	p.C260R
565	P096T	DYNC2H1	NM_001080463	c.G6116A	p.R2039H
566	P096T	GRIA4	NM_000829	c.T2681C	p.L894S
567	P096T	EXPH5	NM_015065	c.G1733A	p.G578D
568	P096T	RDX	NM_001260496	c.C571T	p.R191C
569	P096T	FAM55B;NXPE2	NM_182495	c.A1465C	p.T489P
570	P096T	CEP164	NM_001271933	c.G3772A	p.G1258R
571	P096T	DSCAML1	NM_020693	c.G2739T	p.K913N
572	P096T	PHLDB1	NM_001144759	c.G3413A	p.R1138Q
573	P096T	PHLDB1	NM_001144759	c.G3902A	p.R1301H
574	P096T	CXCR5	NM_032966	c.C625T	p.R209W
575	P096T	C1QTNF5;MFRP	NM_031433	c.C169T	p.R57X
576	P096T	USP2	NM_001243759	c.C314T	p.P105L
577	P096T	SRPR	NM_001177842	c.C1657T	p.L553F

Supplemental Tables for:

Oncogenic ALK Fusion and RRAS Mutation in KRAS mutation-negative Pancreatic Ductal Adenocarcinoma

Takashi Kohno et al.

578	P096T	FOXRED1	NM_017547	c.T835C	p.Y279H
579	P096T	TP53AIP1	NM_001251964	c.G290A	p.C97Y
580	P096T	ADAMTS8	NM_007037	c.C1730T	p.T577M
581	P096T	NCAPD2	NM_014865	c.C3404T	p.A1135V
582	P096T	ATN1	NM_001007026	c.G1834A	p.A612T
583	P096T	PEX5	NM_000319	c.C1345T	p.R449C
584	P096T	GDF3	NM_020634	c.C893A	p.P298H
585	P096T	PLEKHA5	NM_001143821	c.A58T	p.I20F
586	P096T	C12orf39	NM_030572	c.C269T	p.A90V
587	P096T	C2CD5;KIAA0528	NM_014802	c.T2076G	p.H692Q
588	P096T	TM7SF3	NM_016551	c.C515T	p.A172V
589	P096T	ADAMTS20	NM_025003	c.G445A	p.G149R
590	P096T	TMEM117	NM_032256	c.C1454T	p.S485L
591	P096T	DBX2	NM_001004329	c.G1015A	p.V339I
592	P096T	ARID2	NM_152641	c.G1343A	p.C448Y
593	P096T	ADCY6	NM_015270	c.C64T	p.R22C
594	P096T	ARF3	NM_001659	c.C55T	p.R19C
595	P096T	DIP2B	NM_173602	c.G2045A	p.R682H
596	P096T	CSRNP2	NM_030809	c.G280T	p.G94C
597	P096T	AAAS	NM_001173466	c.G890A	p.R297H
598	P096T	MAP3K12	NM_001193511	c.C1471A	p.L491I
599	P096T	ATF7;RP11-793H13.10	NM_001130060	c.G938A	p.R313Q
600	P096T	RDH5	NM_001199771	c.C881T	p.A294V
601	P096T	TIMELESS	NM_003920	c.G2812A	p.A938T
602	P096T	BAZ2A	NM_013449	c.C4007T	p.P1336L
603	P096T	STAT6	NM_001178078	c.C200T	p.S67L
604	P096T	LRP1	NM_002332	c.G3511A	p.D1171N
605	P096T	LRP1	NM_002332	c.G6394A	p.V2132M
606	P096T	SHMT2	NM_001166356	c.G677A	p.R226H
607	P096T	INHBE	NM_031479	c.T283A	p.F95I
608	P096T	AVIL	NM_006576	c.C280T	p.R94X
609	P096T	PTPRB	NM_001206971	c.C214T	p.R72W
610	P096T	KCNC2	NM_001260497	c.G424T	p.G142C
611	P096T	PPP1R12A	NM_001143886	c.C1249T	p.R417X
612	P096T	PLXNC1	NM_005761	c.C2048T	p.T683M
613	P096T	PARPBP	NM_017915	c.G250A	p.V84M
614	P096T	BTBD11	NM_001018072	c.G1276A	p.A426T
615	P096T	FICD	NM_007076	c.C352T	p.R118C
616	P096T	ERP29	NM_006817	c.C223T	p.R75C

Supplemental Tables for:  
Oncogenic ALK Fusion and RRAS Mutation in KRAS mutation-negative Pancreatic Ductal Adenocarcinoma  
Takashi Kohno et al.

617	P096T	NAA25	NM_024953	c.C2068T	p.R690X
618	P096T	C12orf51;HECTD4	NM_001109662	c.G8108A	p.R2703Q
619	P096T	C12orf51;HECTD4	NM_001109662	c.C3365T	p.P1122L
620	P096T	DTX1	NM_004416	c.G1136A	p.R379H
621	P096T	TPCN1	NM_017901	c.G892A	p.V298I
622	P096T	NOS1	NM_001204213	c.C2989T	p.Q997X
623	P096T	KSR2	NM_173598	c.G2077A	p.V693M
624	P096T	KSR2	NM_173598	c.G689A	p.R230H
625	P096T	POP5	NM_198202	c.C253T	p.R85W
626	P096T	SETD1B	NM_015048	c.G3271A	p.E1091K
627	P096T	LRRC43	NM_001098519	c.C1318T	p.R440C
628	P096T	DNAH10	NM_207437	c.G10258A	p.V3420I
629	P096T	NCOR2	NM_001077261	c.C6856T	p.R2286W
630	P096T	DHX37	NM_032656	c.C1775T	p.P592L
631	P096T	MMP17	NM_016155	c.C704T	p.S235L
632	P096T	MMP17	NM_016155	c.C799T	p.R267W
633	P096T	NOC4L	NM_024078	c.G1363A	p.V455I
634	P096T	POLE	NM_006231	c.G4582A	p.A1528T
635	P096T	ANHX;LOC647589	NM_001191054	c.T152C	p.L51P
636	P096T	PSPC1	NM_001042414	c.G1562A	p.R521H
637	P096T	GJA3	NM_021954	c.A1256G	p.K419R
638	P096T	RNF6	NM_005977	c.C820T	p.R274W
639	P096T	CDK8	NM_001260	c.C1066T	p.R356X
640	P096T	NBEA	NM_015678	c.C4738T	p.R1580C
641	P096T	MAB21L1	NM_005584	c.C77T	p.A26V
642	P096T	DCLK1	NM_001195415	c.G590A	p.S197N
643	P096T	FREM2	NM_207361	c.C6806T	p.S2269L
644	P096T	MLNR	NM_001507	c.C466T	p.R156C
645	P096T	MYCBP2	NM_015057	c.G13036T	p.G4346C
646	P096T	DKFZp586G0322;MYCBP2	NM_015057	c.G9206T	p.R3069M
647	P096T	RNF113B	NM_178861	c.G655A	p.D219N
648	P096T	A2LD1;GGACT	NM_033110	c.G352A	p.V118M
649	P096T	GRTP1	NM_024719	c.C625T	p.R209W
650	P096T	RNASE4	NM_002937	c.G179A	p.R60Q
651	P096T	ARHGEF40	NM_018071	c.C4144T	p.R1382X
652	P096T	ARHGEF40	NM_018071	c.G4307A	p.G1436D
653	P096T	METTL3	NM_019852	c.C1243T	p.R415C
654	P096T	ZFHX2	NM_033400	c.C3472T	p.R1158C
655	P096T	C14orf21;NOP9	NM_174913	c.C1237T	p.R413C

Supplemental Tables for:

Oncogenic ALK Fusion and RRAS Mutation in KRAS mutation-negative Pancreatic Ductal Adenocarcinoma

Takashi Kohno et al.

656	P096T	FANCM	NM_020937	c.A926G	p.E309G
657	P096T	PYGL	NM_001163940	c.G1367T	p.R456M
658	P096T	TRIM9	NM_015163	c.C839T	p.A280V
659	P096T	C14orf101;TMEM260	NM_017799	c.T1630C	p.C544R
660	P096T	SYNE2	NM_015180	c.A15475G	p.N5159D
661	P096T	SPTB	NM_000347	c.C1441A	p.L481M
662	P096T	KIAA0247	NM_014734	c.C217A	p.L73M
663	P096T	FOS	NM_005252	c.G431T	p.R144M
664	P096T	GALC	NM_001201401	c.G1016A	p.G339D
665	P096T	TTC7B	NM_001010854	c.C1468T	p.R490X
666	P096T	TRIP11	NM_004239	c.T1421G	p.L474R
667	P096T	DDX24	NM_020414	c.C2377T	p.R793C
668	P096T	C14orf129;GSKIP	NM_001271906	c.C161T	p.S54L
669	P096T	SLC25A47	NM_207117	c.C65T	p.T22M
670	P096T	MOK	NM_001272011	c.C386T	p.T129M
671	P096T	TECPR2	NM_001172631	c.G1030T	p.G344X
672	P096T	EIF5	NM_183004	c.C934T	p.R312W
673	P096T	KIF26A	NM_015656	c.G371A	p.R124H
674	P096T	AHNAK2	NM_138420	c.G4566T	p.K1522N
675	P096T	AHNAK2	NM_138420	c.C842T	p.S281L
676	P096T	JAG2	NM_145159	c.G1397A	p.S466N
677	P096T	TEX22	NM_001195082	c.G398A	p.S133N
678	P096T	OR4M2	NM_001004719	c.C563A	p.A188D
679	P096T	CYFIP1	NM_001033028	c.C224T	p.P75L
680	P096T	HERC2	NM_004667	c.C2984T	p.T995M
681	P096T	FAM189A1	NM_015307	c.G538A	p.V180M
682	P096T	TJP1	NM_175610	c.G3514A	p.E1172K
683	P096T	GJD2	NM_020660	c.G323A	p.R108H
684	P096T	DISP2	NM_033510	c.A550G	p.T184A
685	P096T	FAM82A2;RMDN3	NM_018145	c.C1051T	p.H351Y
686	P096T	DLL4	NM_019074	c.C1675T	p.R559W
687	P096T	RPAP1	NM_015540	c.G3392A	p.R1131Q
688	P096T	RPAP1	NM_015540	c.G2386A	p.V796I
689	P096T	PLA2G4D	NM_178034	c.G2158A	p.A720T
690	P096T	PATL2	NM_001145112	c.C1163T	p.T388I
691	P096T	SLC12A1	NM_000338	c.C1521T	p.S507S
692	P096T	LEO1	NM_138792	c.G1427A	p.G476D
693	P096T	MYO5A	NM_000259	c.G2126A	p.R709H
694	P096T	NEDD4	NM_198400	c.T3212C	p.V1071A

Supplemental Tables for:

Oncogenic ALK Fusion and RRAS Mutation in KRAS mutation-negative Pancreatic Ductal Adenocarcinoma

Takashi Kohno et al.

695	P096T	LIPC	NM_000236	c.G758A	p.G253D
696	P096T	ANXA2	NM_001002858	c.C1043T	p.A348V
697	P096T	VPS13C	NM_017684	c.C1496T	p.T499M
698	P096T	ZNF609	NM_015042	c.C3436T	p.P1146S
699	P096T	PARP16	NM_017851	c.G667A	p.V223I
700	P096T	IGDCC4	NM_020962	c.C958T	p.R320C
701	P096T	SMAD3	NM_001145104	c.C517T	p.R173X
702	P096T	AAGAB	NM_024666	c.G4T	p.A2S
703	P096T	ITGA11	NM_001004439	c.A1973G	p.D658G
704	P096T	NOX5	NM_001184779	c.C809T	p.A270V
705	P096T	GOLGA6B	NM_018652	c.G596A	p.R199Q
706	P096T	ISLR2	NM_020851	c.G458A	p.R153H
707	P096T	ARID3B	NM_006465	c.G289T	p.G97C
708	P096T	ARID3B	NM_006465	c.C1565T	p.S522F
709	P096T	CSK	NM_004383	c.G760A	p.V254M
710	P096T	CSPG4	NM_001897	c.C3224T	p.T1075M
711	P096T	AX747193;PEAK1	NM_024776	c.C2615T	p.P872L
712	P096T	WDR61	NM_025234	c.C338T	p.A113V
713	P096T	ARNT2	NM_014862	c.C1961T	p.S654L
714	P096T	MEX3B	NM_032246	c.G1634A	p.R545H
715	P096T	ALPK3	NM_020778	c.G4322A	p.G1441D
716	P096T	ACAN	NM_001135	c.C2513T	p.S838L
717	P096T	KIF7	NM_198525	c.C3326T	p.T1109M
718	P096T	MESP2	NM_001039958	c.G682A	p.G228R
719	P096T	BLM	NM_000057	c.C3415T	p.R1139X
720	P096T	TM2D3	NM_025141	c.C550T	p.R184W
721	P096T	TARSL2	NM_152334	c.G2093A	p.R698H
722	P096T	RGS11	NM_003834	c.C1193T	p.A398V
723	P096T	RAB40C	NM_021168	c.G751A	p.G251S
724	P096T	WDR24	NM_032259	c.G1789A	p.V597M
725	P096T	TELO2	NM_016111	c.C937T	p.P313S
726	P096T	IFT140	NM_014714	c.C4184T	p.A1395V
727	P096T	RPL3L	NM_005061	c.C298T	p.R100W
728	P096T	NTHL1	NM_002528	c.G8T	p.S3I
729	P096T	ABCA3	NM_001089	c.G4327A	p.G1443R
730	P096T	TBC1D24	NM_001199107	c.G439A	p.D147N
731	P096T	FLYWCH1	NM_020912	c.G1958A	p.R653H
732	P096T	ZNF213	NM_001134655	c.G554A	p.R185H
733	P096T	ZNF213	NM_001134655	c.G899A	p.R300Q

Supplemental Tables for:

Oncogenic ALK Fusion and RRAS Mutation in KRAS mutation-negative Pancreatic Ductal Adenocarcinoma

Takashi Kohno et al.

734	P096T	CREBBP	NM_001079846	c.C5206T	p.R1736C
735	P096T	ADCY9	NM_001116	c.G3118A	p.V1040M
736	P096T	ADCY9	NM_001116	c.G80A	p.S27N
737	P096T	TFAP4	NM_003223	c.C139T	p.R47W
738	P096T	VASN	NM_138440	c.C587T	p.A196V
739	P096T	ROGDI	NM_024589	c.C454T	p.Q152X
740	P096T	EMP2	NM_001424	c.G263A	p.R88H
741	P096T	ABCC6	NM_001171	c.G2428A	p.V810M
742	P096T	SMG1	NM_015092	c.G10123A	p.A3375T
743	P096T	SMG1	NM_015092	c.G8437A	p.G2813R
744	P096T	UMOD	NM_001008389	c.C470T	p.P157L
745	P096T	ACSM2B	NM_001105069	c.C1457A	p.P486H
746	P096T	DNAH3	NM_017539	c.C9643T	p.P3215S
747	P096T	EEF2K	NM_013302	c.C121A	p.P41T
748	P096T	CCDC101	NM_138414	c.G131A	p.R44Q
749	P096T	ATXN2L	NM_007245	c.G2468A	p.R823H
750	P096T	SH2B1	NM_015503	c.C1732T	p.R578C
751	P096T	NFATC2IP	NM_032815	c.C632T	p.T211M
752	P096T	LAT	NM_014387	c.C562T	p.R188X
753	P096T	SEZ6L2	NM_001243333	c.G692A	p.R231K
754	P096T	ZNF48	NM_001214907	c.G515A	p.R172H
755	P096T	ZNF48	NM_001214907	c.G1136A	p.R379H
756	P096T	PRR14	NM_024031	c.C1066T	p.R356X
757	P096T	SETD1A	NM_014712	c.G3614A	p.R1205Q
758	P096T	ZNF668	NM_001172668	c.G50A	p.R17H
759	P096T	PRSS36	NM_001258290	c.C805T	p.R269W
760	P096T	ZNF423	NM_001271620	c.A602G	p.D201G
761	P096T	HEATR3	NM_182922	c.C1090T	p.Q364X
762	P096T	SALL1	NM_001127892	c.C1775T	p.S592F
763	P096T	CHD9	NM_025134	c.C7798T	p.R2600C
764	P096T	RPGRIP1L	NM_001127897	c.C1945T	p.R649X
765	P096T	CES2	NM_003869	c.C1007T	p.T336M
766	P096T	TRADD	NM_003789	c.G361A	p.G121S
767	P096T	FBXL8	NM_018378	c.C635T	p.A212V
768	P096T	GFOD2	NM_030819	c.G1015T	p.E339X
769	P096T	RANBP10	NM_020850	c.G917A	p.R306H
770	P096T	NFAT5	NM_006599	c.C234T	p.G78G
771	P096T	CLEC18A	NM_001136214	c.G364A	p.E122K
772	P096T	CALB2	NM_007088	c.G557T	p.S186I

Supplemental Tables for:  
Oncogenic ALK Fusion and RRAS Mutation in KRAS mutation-negative Pancreatic Ductal Adenocarcinoma  
Takashi Kohno et al.

773	P096T	ZFHX3	NM_001164766	c.C4418A	p.P1473H
774	P096T	MON1B	NM_014940	c.C1141T	p.R381C
775	P096T	NUDT7	NM_001105663	c.C232T	p.R78C
776	P096T	WWOX	NM_016373	c.G568A	p.V190M
777	P096T	USP10	NM_005153	c.C1232T	p.S411L
778	P096T	COX4NB;EMC8	NM_006067	c.G550A	p.V184M
779	P096T	FOXL1	NM_005250	c.A377G	p.D126G
780	P096T	JPH3	NM_020655	c.C743T	p.A248V
781	P096T	CDT1	NM_030928	c.G1604A	p.R535H
782	P096T	ACSF3	NM_001127214	c.G268A	p.G90S
783	P096T	CDH15	NM_004933	c.C1588T	p.R530W
784	P096T	SLC22A31	NM_001242757	c.C73T	p.R25C
785	P096T	DPEP1	NM_001128141	c.G403A	p.A135T
786	P096T	BHLHA9	NM_001164405	c.G13A	p.A5T
787	P096T	MYO1C	NM_001080779	c.G931A	p.V311I
788	P096T	WDR81	NM_001163673	c.C410T	p.A137V
789	P096T	WDR81	NM_001163673	c.G491A	p.R164Q
790	P096T	CLUH;KIAA0664	NM_015229	c.C1783T	p.R595C
791	P096T	SHPK;TRPV1	NM_080706	c.C544T	p.R182W
792	P096T	ZMYND15	NM_032265	c.C1673T	p.A558V
793	P096T	CHRNE	NM_000080	c.G1262A	p.R421H
794	P096T	SENP3	NM_015670	c.G796A	p.A266T
795	P096T	TP53	NM_001126115	c.C628T	p.R210X
796	P096T	TP53	NM_001126115	c.G337A	p.G113S
797	P096T	DNAH2	NM_020877	c.C7642T	p.R2548C
798	P096T	MYH3	NM_002470	c.T4856C	p.M1619T
799	P096T	COP3	NM_001199125	c.T737C	p.V246A
800	P096T	SLC5A10	NM_001042450	c.C379T	p.R127C
801	P096T	B9D1	NM_015681	c.G241A	p.G81S
802	P096T	ERAL1	NM_005702	c.A329T	p.N110I
803	P096T	ERAL1	NM_005702	c.G1289A	p.R430H
804	P096T	SSH2	NM_033389	c.C4169T	p.A1390V
805	P096T	SSH2	NM_033389	c.G2653T	p.G885C
806	P096T	SSH2	NM_033389	c.G2620A	p.E874K
807	P096T	EFCAB5	NM_001145053	c.G3T	p.M1I
808	P096T	NF1	NM_000267	c.C4084T	p.R1362X
809	P096T	ZNF207	NM_003457	c.C581A	p.P194H
810	P096T	SLFN11	NM_152270	c.G1307A	p.R436Q
811	P096T	RASL10B	NM_033315	c.G389T	p.R130L

Supplemental Tables for:

Oncogenic ALK Fusion and RRAS Mutation in KRAS mutation-negative Pancreatic Ductal Adenocarcinoma

Takashi Kohno et al.

812	P096T	AATF	NM_012138	c.C1222T	p.R408X
813	P096T	SRCIN1	NM_025248	c.G2375A	p.R792H
814	P096T	WIPF2	NM_133264	c.C503T	p.T168M
815	P096T	KRT25	NM_181534	c.T842C	p.L281P
816	P096T	KRT39	NM_213656	c.G271T	p.G91C
817	P096T	KRTAP4-7	NM_033061	c.G365A	p.R122H
818	P096T	KRT37	NM_003770	c.G1001A	p.R334H
819	P096T	KRT38	NM_006771	c.G388A	p.A130T
820	P096T	CCR10	NM_016602	c.G221A	p.R74H
821	P096T	WNK4	NM_032387	c.C1537T	p.R513W
822	P096T	GRN	NM_002087	c.C626T	p.P209L
823	P096T	FAM171A2	NM_198475	c.C1156A	p.P386T
824	P096T	ARHGAP27	NM_199282	c.C1535T	p.T512M
825	P096T	GOSR2	NM_004287	c.G539A	p.R180Q
826	P096T	CDC27	NM_001114091	c.G2363A	p.R788H
827	P096T	HOXB1	NM_002144	c.C139T	p.R47C
828	P096T	NGFR	NM_002507	c.G1220A	p.R407H
829	P096T	LRRC59	NM_018509	c.C694T	p.R232C
830	P096T	MMD	NM_012329	c.C385T	p.R129C
831	P096T	MSI2	NM_170721	c.C614T	p.A205V
832	P096T	BZRAP1	NM_024418	c.G2872T	p.G958C
833	P096T	BZRAP1	NM_024418	c.G1511A	p.G504D
834	P096T	BRIP1	NM_032043	c.G2806T	p.E936X
835	P096T	TANC2	NM_025185	c.G2264A	p.R755H
836	P096T	DDX42	NM_203499	c.G277A	p.A93T
837	P096T	SLC16A6	NM_004694	c.C665T	p.A222V
838	P096T	FDXR	NM_001258015	c.G797A	p.R266H
839	P096T	NUP85	NM_024844	c.A704G	p.D235G
840	P096T	GALK1	NM_000154	c.G1090A	p.A364T
841	P096T	TRIM65	NM_001256124	c.C1139T	p.P380L
842	P096T	SPHK1	NM_001142602	c.G620A	p.R207H
843	P096T	C17orf99	NM_001163075	c.C119T	p.P40L
844	P096T	ENGASE	NM_001042573	c.C1984T	p.R662X
845	P096T	HEXDC	NM_173620	c.G553A	p.V185M
846	P096T	FO XK2	NM_004514	c.G1789A	p.A597T
847	P096T	ZNF750	NM_024702	c.G686T	p.G229V
848	P096T	USP14	NM_001037334	c.G1267A	p.V423I
849	P096T	SMCHD1	NM_015295	c.C4565T	p.T1522M
850	P096T	ANKRD12	NM_001083625	c.G3541A	p.V1181I



Supplemental Tables for:

Oncogenic ALK Fusion and RRAS Mutation in KRAS mutation-negative Pancreatic Ductal Adenocarcinoma

Takashi Kohno et al.

851	P096T	RALBP1	NM_006788	c.G1744A	p.E582K
852	P096T	PIEZO2	NM_022068	c.G6118A	p.D2040N
853	P096T	CEP192	NM_032142	c.A7132G	p.M2378V
854	P096T	ANKRD30B	NM_001145029	c.C430T	p.H144Y
855	P096T	GREB1L	NM_001142966	c.G2788A	p.D930N
856	P096T	LAMA3	NM_001127718	c.G1492A	p.A498T
857	P096T	MEP1B	NM_005925	c.C315A	p.D105E
858	P096T	KLHL14	NM_020805	c.A1502G	p.K501R
859	P096T	DTNA	NM_001390	c.G497A	p.R166Q
860	P096T	SLC39A6	NM_001099406	c.G271A	p.V91I
861	P096T	FHOD3	NM_025135	c.C4057T	p.R1353C
862	P096T	SMAD2	NM_001135937	c.G308A	p.R103H
863	P096T	STARD6	NM_139171	c.G146A	p.R49H
864	P096T	ZNF532	NM_018181	c.C1265T	p.A422V
865	P096T	TNFRSF11A	NM_003839	c.C1460T	p.T487M
866	P096T	CDH7	NM_004361	c.C356T	p.T119M
867	P096T	TSHZ1	NM_005786	c.G740A	p.R247H
868	P096T	NFATC1	NM_172388	c.C23T	p.T8M
869	P096T	HMHA1	NM_001258328	c.G1030A	p.V344I
870	P096T	STK11	NM_000455	c.C662T	p.P221L
871	P096T	MBD3	NM_003926	c.C304T	p.R102C
872	P096T	THOP1	NM_003249	c.G284A	p.R95Q
873	P096T	GTF2F1	NM_002096	c.G418A	p.V140M
874	P096T	ZNF358	NM_018083	c.C958T	p.R320C
875	P096T	PNPLA6	NM_001166114	c.G3185A	p.R1062Q
876	P096T	CAMSAP3	NM_020902	c.G2951A	p.R984H
877	P096T	STXBP2	NM_001127396	c.A266G	p.Q89R
878	P096T	KANK3	NM_198471	c.G2175T	p.Q725H
879	P096T	KANK3	NM_198471	c.C572T	p.A191V
880	P096T	P2RY11;PPAN;PPAN-P2RY11	NM_002566	c.C722T	p.A241V
881	P096T	KEAP1	NM_012289	c.C541A	p.P181T
882	P096T	ATG4D	NM_032885	c.G578A	p.R193H
883	P096T	ILF3	NM_012218	c.C2235T	p.Y745Y
884	P096T	SMARCA4	NM_001128845	c.G3575A	p.R1192H
885	P096T	SMARCA4	NM_001128845	c.G3694A	p.G1232S
886	P096T	DOCK6	NM_020812	c.C2828T	p.A943V
887	P096T	RNASEH2A	NM_006397	c.C452T	p.A151V
888	P096T	MAST1	NM_014975	c.C4391T	p.A1464V
889	P096T	CD97	NM_001784	c.T1633C	p.Y545H

Supplemental Tables for:

Oncogenic ALK Fusion and RRAS Mutation in KRAS mutation-negative Pancreatic Ductal Adenocarcinoma

Takashi Kohno et al.

890	P096T	EPHX3	NM_024794	c.C555A	p.Y185X
891	P096T	BRD4	NM_058243	c.C3178T	p.R1060C
892	P096T	OR10H2	NM_013939	c.T134C	p.I45T
893	P096T	CYP4F2	NM_001082	c.C1448G	p.A483G
894	P096T	CPAMD8	NM_015692	c.G2095A	p.V699M
895	P096T	BABAM1;CTD-2278110.6	NM_001033549	c.G367C	p.V123L
896	P096T	CTD-2521M24.10;NXNL1	NM_138454	c.G448A	p.A150T
897	P096T	SLC27A1	NM_198580	c.C767A	p.P256H
898	P096T	FCHO1	NM_001161359	c.A566G	p.N189S
899	P096T	JAK3	NM_000215	c.C224T	p.T75M
900	P096T	PIK3R2	NM_005027	c.C1889T	p.T630M
901	P096T	ISYNA1	NM_001253389	c.G797A	p.R266H
902	P096T	ZNF208	NM_007153	c.G620A	p.G207D
903	P096T	ZNF681	NM_138286	c.A1685G	p.Y562C
904	P096T	SBSN	NM_001166034	c.G650A	p.G217D
905	P096T	ATP4A	NM_000704	c.G1372A	p.V458M
906	P096T	MLL4;WBP7	NM_014727	c.C4622T	p.A1541V
907	P096T	PRODH2	NM_021232	c.G1499A	p.R500Q
908	P096T	PRODH2	NM_021232	c.C590A	p.A197D
909	P096T	ZFP82	NM_133466	c.G1423A	p.E475K
910	P096T	HKR1	NM_181786	c.C1387T	p.H463Y
911	P096T	RYR1	NM_000540	c.G9091A	p.A3031T
912	P096T	LRFN1	NM_020862	c.C77T	p.A26V
913	P096T	DYRK1B	NM_004714	c.G301A	p.V101M
914	P096T	FCGBP	NM_003890	c.C15220T	p.R5074C
915	P096T	MAP3K10	NM_002446	c.C1357T	p.R453C
916	P096T	MAP3K10	NM_002446	c.C2222T	p.A741V
917	P096T	ADCK4	NM_001142555	c.C1429T	p.R477C
918	P096T	EXOSC5	NM_020158	c.C568T	p.R190W
919	P096T	ERF	NM_006494	c.T1117C	p.S373P
920	P096T	MEGF8	NM_001410	c.G6569A	p.R2190H
921	P096T	PSG9	NM_002784	c.G1051A	p.D351N
922	P096T	ZNF575	NM_174945	c.G164A	p.R55Q
923	P096T	ZNF575	NM_174945	c.G434A	p.R145H
924	P096T	PLAUR	NM_001005376	c.G392A	p.R131Q
925	P096T	ZNF283	NM_181845	c.G1661A	p.R554H
926	P096T	ZNF233	NM_001207005	c.A857G	p.H286R
927	P096T	BCAM	NM_001013257	c.G1739A	p.R580H
928	P096T	CLPTM1	NM_001294	c.G1625A	p.R542H

Supplemental Tables for:

Oncogenic ALK Fusion and RRAS Mutation in KRAS mutation-negative Pancreatic Ductal Adenocarcinoma

Takashi Kohno et al.

929	P096T	GEMIN7	NM_001007269	c.C46T	p.R16W
930	P096T	NKPD1	NM_198478	c.G2222A	p.R741H
931	P096T	DMWD	NM_004943	c.C842T	p.A281V
932	P096T	RSPH6A	NM_030785	c.G1722T	p.E574D
933	P096T	PRKD2	NM_001079882	c.G883A	p.A295T
934	P096T	LMTK3	NM_001080434	c.G2552A	p.R851Q
935	P096T	CCDC155	NM_144688	c.C1540T	p.R514W
936	P096T	SLC17A7	NM_020309	c.G1130A	p.R377H
937	P096T	ALDH16A1	NM_001145396	c.G2039A	p.R680H
938	P096T	NR1H2	NM_001256647	c.G788A	p.R263Q
939	P096T	SHANK1	NM_016148	c.G4447A	p.E1483K
940	P096T	ACPT	NM_033068	c.C691A	p.L231M
941	P096T	ZNF613	NM_001031721	c.G1259A	p.R420H
942	P096T	ZNF841	NM_001136499	c.A1718G	p.K573R
943	P096T	ZNF836	NM_001102657	c.G1844A	p.C615Y
944	P096T	ZNF468	NM_001008801	c.C334T	p.P112S
945	P096T	CACNG7	NM_031896	c.C199T	p.R67W
946	P096T	LILRB2	NM_001080978	c.C313T	p.R105W
947	P096T	LILRB4	NM_001081438	c.G851A	p.R284H
948	P096T	U2AF2	NM_001012478	c.G511A	p.A171T
949	P096T	NLRP5	NM_153447	c.C3364T	p.R1122W
950	P096T	PEG3	NM_001146186	c.C1510T	p.R504C
951	P096T	ZNF551	NM_001270938	c.T329C	p.M110T
952	P096T	SCRT2	NM_033129	c.C599T	p.A200V
953	P096T	STK35	NM_080836	c.C751A	p.L251I
954	P096T	IDH3B	NM_006899	c.G1076A	p.R359Q
955	P096T	C20ORF141;TMEM239	NM_001167670	c.C214T	p.L72L
956	P096T	C20orf194	NM_001009984	c.G1165A	p.A389T
957	P096T	CDC25B	NM_021872	c.C1354T	p.R452C
958	P096T	ISM1	NM_080826	c.C740T	p.A247V
959	P096T	SEL1L2	NM_001271539	c.C755T	p.T252I
960	P096T	PCSK2	NM_001201529	c.G1198T	p.G400C
961	P096T	NINL	NM_025176	c.G2002A	p.E668K
962	P096T	HCK	NM_001172129	c.G820T	p.G274W
963	P096T	PLAGL2	NM_002657	c.C1412A	p.P471H
964	P096T	GGT7	NM_178026	c.A187G	p.K63E
965	P096T	ACSS2	NM_001242393	c.G1001A	p.R334Q
966	P096T	MYH7B	NM_020884	c.G4826A	p.R1609Q
967	P096T	NFS1	NM_001198989	c.C1141T	p.R381C

Supplemental Tables for:  
Oncogenic ALK Fusion and RRAS Mutation in KRAS mutation-negative Pancreatic Ductal Adenocarcinoma  
Takashi Kohno et al.

968	P096T	KIAA1755	NM_001029864	c.G3415A	p.G1139S
969	P096T	RALGAPB	NM_020336	c.G3326A	p.R1109H
970	P096T	SLC32A1	NM_080552	c.G223A	p.A75T
971	P096T	PLCG1	NM_002660	c.C727T	p.R243W
972	P096T	LPIN3	NM_022896	c.G2348A	p.R783H
973	P096T	WFDC2	NM_006103	c.C203T	p.T68I
974	P096T	SLC12A5	NM_001134771	c.C2422A	p.H808N
975	P096T	EYA2	NM_172110	c.A1298G	p.K433R
976	P096T	CSTF1	NM_001033521	c.G1067A	p.R356Q
977	P096T	GNAS	NM_001077489	c.G557A	p.R186H
978	P096T	PPP1R3D	NM_006242	c.G863A	p.R288H
979	P096T	LAMA5	NM_005560	c.C10391T	p.P3464L
980	P096T	LAMA5	NM_005560	c.G6978A	p.M2326I
981	P096T	DIDO1	NM_001193369	c.C859T	p.R287C
982	P096T	COL20A1	NM_020882	c.G928A	p.V310I
983	P096T	EEF1A2	NM_001958	c.G793T	p.G265C
984	P096T	HELZ2;PRIC285	NM_033405	c.C2710T	p.R904C
985	P096T	ABHD16B;C20ORF135	NM_080622	c.G301A	p.A101T
986	P096T	ABHD16B	NM_080622	c.C359T	p.T120M
987	P096T	TPD52L2	NM_001243891	c.C254T	p.S85F
988	P096T	ZNF512B	NM_020713	c.G1004A	p.R335H
989	P096T	NPBWR2	NM_005286	c.G767A	p.R256Q
990	P096T	MRPL39	NM_080794	c.C1001T	p.T334M
991	P096T	ADAMTSS	NM_007038	c.G1210A	p.A404T
992	P096T	OLIG1	NM_138983	c.T452C	p.I151T
993	P096T	HLCS	NM_000411	c.G886A	p.V296I
994	P096T	KCNJ6	NM_002240	c.T280A	p.L94M
995	P096T	DSCAM	NM_001271534	c.C598T	p.R200W
996	P096T	MX2	NM_002463	c.G1217A	p.R406H
997	P096T	UMODL1	NM_001199527	c.C2536T	p.R846W
998	P096T	CBS	NM_000071	c.C133T	p.R45W
999	P096T	SLC19A1	NM_001205207	c.G802A	p.A268T
1000	P096T	COL6A2	NM_001849	c.C1402T	p.R468X
1001	P096T	FTCD	NM_006657	c.G889C	p.E297Q
1002	P096T	LSS	NM_001145437	c.G107A	p.R36H
1003	P096T	PCNT	NM_006031	c.G2557A	p.A853T
1004	P096T	PCNT	NM_006031	c.G5468A	p.R1823H
1005	P096T	SLC25A1	NM_001256534	c.G638A	p.R213H
1006	P096T	MED15	NM_001003891	c.G430A	p.V144M

Supplemental Tables for:  
Oncogenic ALK Fusion and RRAS Mutation in KRAS mutation-negative Pancreatic Ductal Adenocarcinoma  
Takashi Kohno et al.

1007	P096T	PI4KA	NM_002650	c.C341A	p.A114D
1008	P096T	ADRBK2	NM_005160	c.G1421A	p.R474Q
1009	P096T	RFPL1	NM_021026	c.G360A	p.M120I
1010	P096T	MORC2	NM_014941	c.G1423A	p.E475K
1011	P096T	SMTN	NM_001207017	c.G1810A	p.G604R
1012	P096T	RNF185	NM_152267	c.G361T	p.G121W
1013	P096T	SFI1	NM_001258325	c.C1111T	p.R371W
1014	P096T	CSF2RB	NM_000395	c.G674A	p.R225H
1015	P096T	BAIAP2L2	NM_025045	c.G685A	p.A229T
1016	P096T	CBX6	NM_014292	c.G910A	p.A304T
1017	P096T	PNPLA5	NM_001177675	c.C218T	p.S73L
1018	P096T	PKDREJ	NM_006071	c.G5299A	p.V1767M
1019	P096T	PKDREJ	NM_006071	c.C5230T	p.R1744C
1020	P096T	PKDREJ	NM_006071	c.C2465A	p.S822Y
1021	P096T	MOV10L1	NM_001164104	c.A644G	p.Y215C
1022	P096T	MOV10L1	NM_001164104	c.G751A	p.A251T
1023	P096T	KLHDC7B	NM_138433	c.G487A	p.G163S
1024	P096T	SHANK3	NM_033517	c.G1627A	p.D543N
1025	P096T	SHANK3	NM_033517	c.G1718A	p.R573Q
1026	P096T	ARSH	NM_001011719	c.G326A	p.R109H
1027	P096T	NLGN4X;NLGN4Y	NM_020742	c.C1699A	p.Q567K
1028	P096T	TBL1X	NM_001139467	c.G1249A	p.A417T
1029	P096T	FRMPD4	NM_014728	c.G1423A	p.E475K
1030	P096T	PTCHD1	NM_173495	c.G52A	p.G18S
1031	P096T	FAM47A	NM_203408	c.C670T	p.R224C
1032	P096T	RPGR	NM_001034853	c.A1979C	p.E660A
1033	P096T	USP11	NM_004651	c.G1378A	p.G460S
1034	P096T	OTUD5	NM_001136157	c.G821A	p.R274Q
1035	P096T	CCDC120	NM_001163321	c.G1366A	p.A456T
1036	P096T	SYP	NM_003179	c.G439T	p.A147S
1037	P096T	FOXP3	NM_014009	c.G247A	p.G83R
1038	P096T	CLCN5	NM_000084	c.G1111A	p.A371T
1039	P096T	AKAP4	NM_003886	c.A235G	p.I79V
1040	P096T	HUWE1	NM_031407	c.C4876T	p.R1626C
1041	P096T	TRO	NM_001271183	c.G1532A	p.G511D
1042	P096T	USP51	NM_201286	c.A116C	p.E39A
1043	P096T	HEPH	NM_001130860	c.T625C	p.C209R
1044	P096T	STARD8	NM_001142504	c.G2521A	p.V841M
1045	P096T	ARR3	NM_004312	c.T1060C	p.S354P

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Oncogenic ALK Fusion and RRAS Mutation in KRAS mutation-negative Pancreatic Ductal Adenocarcinoma

Takashi Kohno et al.

1046	P096T	DLG3	NM_021120	c.G830A	p.R277Q
1047	P096T	GJB1	NM_000166	c.G548A	p.R183H
1048	P096T	ACRC	NM_052957	c.C1456T	p.R486C
1049	P096T	SLC16A2	NM_006517	c.G965A	p.R322H
1050	P096T	POF1B	NM_024921	c.G1427A	p.C476Y
1051	P096T	CHM	NM_000390	c.G37A	p.V13I
1052	P096T	TGIF2LX	NM_138960	c.G460A	p.V154I
1053	P096T	PCDH19	NM_001105243	c.C619T	p.R207X
1054	P096T	TEX13A	NM_031274	c.G1175A	p.R392Q
1055	P096T	ACSL4	NM_004458	c.C1231T	p.R411X
1056	P096T	ALG13	NM_001099922	c.G1988A	p.R663Q
1057	P096T	LONRF3	NM_001031855	c.G569A	p.R190Q
1058	P096T	SLC25A43	NM_145305	c.G398A	p.R133Q
1059	P096T	RHOXF2;RHOXF2B	NM_001099685	c.G464A	p.R155H
1060	P096T	XIAP	NM_001167	c.C664T	p.R222X
1061	P096T	LOC100129520	NM_001195272	c.T1736C	p.I579T
1062	P096T	ARHGEF6	NM_004840	c.C1783T	p.R595X
1063	P096T	MAGEC1	NM_005462	c.T718C	p.S240P
1064	P096T	FMR1	NM_001185076	c.A1196G	p.H399R
1065	P096T	MTM1	NM_000252	c.C1666T	p.R556C
1066	P096T	MTMR1	NM_003828	c.G1028A	p.R343Q
1067	P096T	SLC6A8	NM_001142805	c.G1042A	p.V348M
1068	P096T	RENBP	NM_002910	c.G239A	p.R80H
1069	P096T	FLNA	NM_001456	c.G5116C	p.A1706P
1070	P096T	PLXNA3	NM_017514	c.C932T	p.P311L