

Monthly Mutant Kinase Panel

1	ABL1 (E255K)	68	c-Kit (D816V)	135	EGFR (G719S)	202	PDGFRa (D842V)
2	ABL1 (E255V)	69	c-Kit (D816Y)	136	EGFR (K716A)	203	PDGFRa (T674I)
3	ABL1 (F317I)	70	c-Kit (D820E)	137	EGFR (K716A/C797S/L858R)	204	PDGFRa-F1P1L1
4	ABL1 (F317L)	71	c-Kit (D820Y)	138	EGFR (K716Q/L718Q)	205	PDGFRa (V561D)
5	ABL1 (G250E)	72	c-Kit (T670I)	139	EGFR (K728A)	206	PDGFRb-TPM3
6	ABL1 (H396P)	73	c-Kit (V559A)	140	EGFR (L718Q)	207	PKD2 (G870E)
7	ABL1 (M351T)	74	c-Kit (V559D)	141	EGFR (L747S)	208	PKMzeta
8	ABL1 (Q252H)	75	c-Kit (V559D/V654A)	142	EGFR (L792F)	209	PKN1-TECR (Tex1Pex10)
9	ABL1 (T315I)	76	c-Kit (V559D/T670I)	143	EGFR (L792F/L858R)	210	RET (A883F)
10	ABL1 (V299L)	77	c-Kit (V560G)	144	EGFR (L792H/C797S/L858R)	211	RET (E762Q)
11	ABL1 (Y253F)	78	c-Kit (V560G/D816V)	145	EGFR (L858R)	212	RET (G691S)
12	ABL1 (Y253H)	79	c-Kit (V560G/N822K)	146	EGFR (L861Q)	213	RET (L790F)
13	AKT1 (E17K)	80	c-Kit (V654A)	147	EGFR (T790M)	214	RET (M918T)
14	AKT2 (E17K)	81	c-Kit (Y823D)	148	EGFR (T790M/C797S)	215	RET (R749T)
15	AKT3 (E17K)	82	c-MER (A708S)	149	EGFR (T790M/C797S/L858R)	216	RET (R813Q)
16	AKT3 (G171R)	83	c-MET (D1228A)	150	EGFR (T790M/L858R)	217	RET (R912P)
17	ALK (C1156Y)	84	c-MET (D1228G)	151	EGFR (T790M/L792F/L858R)	218	RET (S891A)
18	ALK (L1152R)	85	c-MET (D1228H)	152	EGFR (T790M/L792H/L858R)	219	RET (S904F)
19	ALK (L1196M)	86	c-MET (D1228N)	153	EGFR (T790M/L792F/C797S/L858R)	220	RET (S904A)
20	ALK (F1174L)	87	c-MET (D1228V)	154	EGFR (T790M/L792H/C797S/L858R)	221	RET (V778I)
21	ALK (F1174L)-NPM1	88	c-MET (D1228Y)	155	ERBB2 (D769H)	222	RET (V804E)
22	ALK (F1174S)	89	c-MET (F1200I)	156	ERBB2 (D769Y)	223	RET (V804L)
23	ALK (G1202R)	90	c-MET (G1163R)	157	ERBB2 (P780_Y781insGSP)	224	RET (V804M)
24	ALK (G1269A)	91	c-MET (H1094L)	158	ERBB2 (P1170A)	225	RET (Y791F)
25	ALK (G1269S)	92	c-MET (H1094Y)	159	ERBB2 (R896C)	226	RET (Y806H)
26	ALK (R1275Q)	93	c-MET (K1244R)	160	ERBB2 (V777L)	227	RET-BCR
27	ALK (S1206R)	94	c-MET (L1195F)	161	ERBB2 (V777_G778insCG)	228	RET-CCDC6 (PTC1)
28	ALK (T1151M)	95	c-MET (M1250I)	162	FGFR1 (V561M)	229	RET-KIF5B (Kex15Rex14)
29	ALK (T1151-L1152insT)	96	c-MET (M1250T)	163	FGFR1OP-FGFR1	230	RET (V804L)-KIF5B
30	ALK (F1174L)-EML4	97	c-MET (P991S)	164	FGFR2 (C491A)	231	RET (V804M)-KIF5B
31	ALK-KIF5B (Kex24Aex20)	98	c-MET (T992I)	165	FGFR2 (C491F)	232	RET-PRKAR1A (PTC2)
32	ALK-KLC1 (Kex8Aex20)	99	c-MET (T1173I)	166	FGFR2 (C491S)	233	RET-NCOA4 (PTC3)
33	ALK-NPM1	100	c-MET (V1092I)	167	FGFR2 (E565G)	234	ROS1 (G2032R)
34	ALK-TFG	101	c-MET (Y1230A)	168	FGFR2 (K526E)	235	ROS1-GOPC
35	ALK-TFG (Tex4Aex20)	102	c-MET (Y1230C)	169	FGFR2 (K641R)	236	ROS1-TPM3
36	ALK-TPM1	103	c-MET (Y1230D)	170	FGFR2 (K659N)	237	RSK2 (I416V)
37	ALK-TPM3	104	c-MET (Y1230H)	171	FGFR2 (N549H)	238	RSK2 (L608F)
38	ALK2 (Q207D)	105	c-MET (Y1230S)	172	FGFR2 (R612I)	239	TIE2 (A1124V)
39	ALK2 (R206H)	106	c-MET (Y1235D)	173	FGFR2 (V564F)	240	TIE2 (P883A)
40	Aurora B (G160L)	107	c-MET-KIF5B (Kex24Mex14)	174	FGFR3 (V555M)	241	TIE2 (R849W)
41	AXL (R499C)	108	c-MET-TFG (Tex5Mex15)	175	FGFR3 (G697C)	242	TIE2 (Y897C)
42	BRAF (d485-489/P490Y)	109	c-Src (T341M)	176	FGFR3 (K650E)	243	TIE2 (Y897S)
43	BRAF (G464V)	110	DDR2 (N456S)	177	FGFR3 (K650M)	244	TIE2 (Y1108F)
44	BRAF (G469A)	111	DDR2 (T654M)	178	FGFR3 (K650Q)	245	TRKA (A608D)
45	BRAF (K601E)	112	EGFR (A763_Y764insFHEA)	179	FGFR4 (N535K)	246	TRKA (F589L)
46	BRAF (L597V)	113	EGFR (A763_Y764insFOEA)	180	FGFR4 (V550E)	247	TRKA (G595R)
47	BRAF (T599_V600insT)	114	EGFR (C775S/T790M/L858R)	181	FGFR4 (V550L)	248	TRKA (G595R/A608D)
48	BRAF (V599E)	115	EGFR (C797A)	182	FGFR4 (V550M)	249	TRKA (G595R/L657M)
49	BRAF (V600A)	116	EGFR (C797S)	183	FLT3 (D835Y)	250	TRKA (G595R/G667A)
50	BRAF (V600D)	117	EGFR (C797S/L858R)	184	FLT3 (ITD)	251	TRKA (G595R/G667C)
51	BRAF (V600K)	118	EGFR (d746)	185	FLT3 (ITD)-NPOS	252	TRKA (G595R/G667S)
52	BRAF (R506_K507insVLR)	119	EGFR (d746-750)	186	FLT3 (ITD)-W51	253	TRKA (G667C)
53	BRAF-FAM131B (Fex2Bex9)	120	EGFR (d746-750/C775S/T790M/L858R)	187	FLT3 (F594_R595insR)	254	TRKA (G667S)
54	BRAF-KIAA1549 (Kex15Bex9)	121	EGFR (d746-750/C797A)	188	FLT3 (F594_R595insREY)	255	TRKA (L657M)
55	BRAF-KIAA1549 (Kex16Bex9)	122	EGFR (d746-750/C797S)	189	FLT3 (R595_E596insEY)	256	TRKA-TFG (TRK-T3)
56	BRAF-SRGAP3 (Sex12Bex9)	123	EGFR (d746-750/T790M)	190	FLT3 (Y591_V592insVDFREYEYD)	257	TRKA-TPM3
57	BTK (C481S)	124	EGFR (d746-750/T790M/C797S)	191	FYN (Y531F)	258	TRKA-TPR
58	BTK (E41K)	125	EGFR (d747-749)	192	JAK2 (V617F)	259	TRKC (G623E)
59	BTK (P190K)	126	EGFR (d747-749/A750P)	193	KSR1 (A635F)	260	TRKC (G623R)
60	CHK2 (I157T)	127	EGFR (d747-752/P753S)	194	KSR1 (L639F)	261	TRKC (G623R/L686M)
61	CK1epsilon (R178C)	128	EGFR (d752-759)	195	KSR2 (R676S)	262	TRKC (G696A)
62	c-Kit (d557-558)	129	EGFR (D761Y)	196	LRRK2 (G2019S)	263	TRKC (L686M)
63	c-Kit (A829P)	130	EGFR (D770GY)	197	LRRK2 (I2020T)	264	YES1 (T348I)
64	c-Kit (D816E)	131	EGFR (D770_N771insNPG)	198	LRRK2 (R1441C)	265	ZAP70 (Y319F)
65	c-Kit (D816F)	132	EGFR (D770_N771insNPG/T790M)	199	MEK1 (P124L)		
66	c-Kit (D816H)	133	EGFR (G719C)	200	MELK (T460M)		
67	c-Kit (D816I)	134	EGFR (G719D)	201	p38a (T106M)		