

Variant	Therapy	Samples	Indication
ALK C1156Y	Crizotinib	2	NSCLC
ALK D1203N	Crizotinib	2	NSCLC
ALK G1202R	Crizotinib	7	NSCLC
ALK I1171T	Crizotinib	2	NSCLC
MET AMP	Crizotinib	397	NSCLC
ALK G1269A	Crizotinib/Alectinib	1	NSCLC
ALK I1171N	Crizotinib/Alectinib	1	NSCLC
ALK F1174C	Crizotinib/Ceritinib/Alectinib	3	NSCLC
ALK L1196M	Erlotinib	3	NSCLC
EGFR C797S	Erlotinib/Gefitinib	40	NSCLC
EGFR KEL745KIP	Erlotinib/Gefitinib	1	NSCLC
EGFR L747P	Erlotinib/Gefitinib	5	NSCLC
EGFR p.Val774_Cys775insHisVal	Erlotinib/Gefitinib	1	NSCLC
	Erlotinib/Gefitinib	705	NSCLC
	Erlotinib/Gefitinib	1	NSCLC
	Erlotinib/Gefitinib	1	NSCLC
EGFR V769M	Erlotinib/Gefitinib	6	NSCLC
MET Y1248H	Erlotinib/Gefitinib	3	NSCLC
EGFR A722V	Osimertinib	1	NSCLC
EGFR S492R	Panitumumab/Cetuximab	16	CRC
EGFR G465R	Panitumumab/Cetuximab	14	CRC
EGFR S464L	Panitumumab/Cetuximab	15	CRC
KRAS AMP	Panitumumab/Cetuximab	132	CRC
KRAS A146P	Panitumumab/Cetuximab	3	CRC
KRAS A146S	Panitumumab/Cetuximab	1	CRC
KRAS A146T	Panitumumab/Cetuximab	36	CRC
KRAS A146V	Panitumumab/Cetuximab	14	CRC
KRAS A18D	Panitumumab/Cetuximab	1	CRC
KRAS A59T	Panitumumab/Cetuximab	3	CRC
KRAS D33E	Panitumumab/Cetuximab	4	CRC
KRAS F156V	Panitumumab/Cetuximab	1	CRC
KRAS G12A	Panitumumab/Cetuximab	43	CRC
KRAS G12C	Panitumumab/Cetuximab	48	CRC
KRAS G12D	Panitumumab/Cetuximab	192	CRC
KRAS G12R	Panitumumab/Cetuximab	8	CRC
KRAS G12S	Panitumumab/Cetuximab	46	CRC
KRAS G12V	Panitumumab/Cetuximab	157	CRC
KRAS G13C	Panitumumab/Cetuximab	6	CRC
KRAS G13D	Panitumumab/Cetuximab	132	CRC
KRAS K117N	Panitumumab/Cetuximab	10	CRC
KRAS L19F	Panitumumab/Cetuximab	2	CRC
KRAS Q22K	Panitumumab/Cetuximab	5	CRC
KRAS Q61H	Panitumumab/Cetuximab	79	CRC
KRAS Q61K	Panitumumab/Cetuximab	2	CRC
KRAS Q61L	Panitumumab/Cetuximab	17	CRC
KRAS Q61R	Panitumumab/Cetuximab	3	CRC
KRAS V14I	Panitumumab/Cetuximab	3	CRC
NRAS G12A	Panitumumab/Cetuximab	1	CRC
NRAS G12C	Panitumumab/Cetuximab	5	CRC
NRAS G12D	Panitumumab/Cetuximab	13	CRC
NRAS G12S	Panitumumab/Cetuximab	4	CRC
NRAS G13C	Panitumumab/Cetuximab	1	CRC
NRAS G13D	Panitumumab/Cetuximab	7	CRC
NRAS G13R	Panitumumab/Cetuximab	3	CRC
NRAS G13V	Panitumumab/Cetuximab	1	CRC
NRAS Q22K	Panitumumab/Cetuximab	2	CRC
NRAS Q61H	Panitumumab/Cetuximab	5	CRC
NRAS Q61K	Panitumumab/Cetuximab	28	CRC
NRAS Q61L	Panitumumab/Cetuximab	16	CRC
NRAS Q61R	Panitumumab/Cetuximab	18	CRC
ERBB2 L755S	Lapatinib	40	Breast
ERBB2 T798I	Lapatinib	1	Breast
ESR1 D538G	Letrozole/Anastrozole/Exemestane	258	Breast
ESR1 L536H	Letrozole/Anastrozole/Exemestane	27	Breast
ESR1 L536P	Letrozole/Anastrozole/Exemestane	33	Breast
ESR1 L536Q	Letrozole/Anastrozole/Exemestane	2	Breast
ESR1 L536R	Letrozole/Anastrozole/Exemestane	20	Breast
ESR1 Y537C	Letrozole/Anastrozole/Exemestane	43	Breast
ESR1 Y537N	Letrozole/Anastrozole/Exemestane	79	Breast
ESR1 Y537S	Letrozole/Anastrozole/Exemestane	184	Breast
AR T878A	Abiraterone	62	Prostate
AR H875Y	Abiraterone/Enzalutamide	51	Prostate
AR L702H	Abiraterone/Enzalutamide	103	Prostate
AR S889G	Bicalutamide	3	Prostate
AR W742C	Bicalutamide	23	Prostate
AR D891H	Enzalutamide	3	Prostate
AR F877L	Enzalutamide	6	Prostate
KRAS A146T	Vemurafenib	1	Melanoma
KRAS AMP	Vemurafenib	13	Melanoma
KRAS G12A	Vemurafenib	1	Melanoma
KRAS G12C	Vemurafenib	1	Melanoma
KRAS G12D	Vemurafenib	1	Melanoma
KRAS G12S	Vemurafenib	1	Melanoma
KRAS G12V	Vemurafenib	1	Melanoma
KRAS K117N	Vemurafenib	3	Melanoma
KRAS L19F	Vemurafenib	1	Melanoma
KRAS Q61H	Vemurafenib	1	Melanoma
KRAS Q61R	Vemurafenib	2	Melanoma
KRAS V14I	Vemurafenib	2	Melanoma
NRAS A146T	Vemurafenib	1	Melanoma
NRAS G12C	Vemurafenib	3	Melanoma
NRAS G12D	Vemurafenib	3	Melanoma
NRAS G13D	Vemurafenib	1	Melanoma
NRAS G13R	Vemurafenib	4	Melanoma
NRAS G13V	Vemurafenib	1	Melanoma
NRAS G60E	Vemurafenib	1	Melanoma
NRAS Q61E	Vemurafenib	1	Melanoma
NRAS Q61H	Vemurafenib	5	Melanoma
NRAS Q61K	Vemurafenib	18	Melanoma
NRAS Q61L	Vemurafenib	1	Melanoma
NRAS Q61R	Vemurafenib	21	Melanoma
NRAS S106L	Vemurafenib	1	Melanoma
KIT A829P	Imatinib	1	GIST
KIT C809G	Imatinib	1	GIST
KIT D820E	Imatinib	2	GIST
KIT D820G	Imatinib	1	GIST
KIT D820H	Imatinib	1	GIST
KIT D820V	Imatinib	3	GIST
KIT D820Y	Imatinib	1	GIST
KIT N655T	Imatinib	1	GIST
KIT N822K	Imatinib	4	GIST
KIT V654A	Imatinib	2	GIST
KIT Y823D	Imatinib	2	GIST