

APPENDIX **IV**

*TUMOR ASSOCIATED
MUTATIONS IN PDGFR α*

Domain	Mutation	Tumor Type
	p.P130S	Malignant peripheral nerve sheath tumor
	p.M133K	Lung adenocarcinoma
	p.V193I	Lung adenocarcinoma
	p.A210V	Lung adenocarcinoma
	p.E338Q	Lung adenocarcinoma
	p.W349C	Glioblastoma
Pfam-B 7094	p.V469A	Malignant peripheral nerve sheath tumor
	p.D480E	Lung adenocarcinoma
	p.W549*	Lung adenocarcinoma
Juxtamembrane	p.R554 Y555del	Synovial sarcoma
Juxtamembrane	p.E556K	Bone ameloblastoma
Juxtamembrane	p.R560 S564del	GIST
Juxtamembrane	p.V561 I562insER	GIST
Juxtamembrane	p.V561D	GIST
Juxtamembrane	p.E563K	GIST
Juxtamembrane	p.I565 S566insEIRWRVIESI	GIST
Juxtamembrane	p.565 566>RIRWRVIESI	GIST
Juxtamembrane	p.S566 E571>K	GIST
Juxtamembrane	p.S566 E571>R	GIST

2 TARGETING PROTEIN KINASES FOR CANCER THERAPY

Juxtamembrane	p.P567P	CNS primitive neuroectodermal tumor–medulloblastoma
Juxtamembrane	p.P589S	GIST
Juxtamembrane	p. L580M	Lung adenocarcinoma
Juxtamembrane	p.594 595>RWEFPRDGLV	GIST
Kinase	p.L595 G596ins40	GIST
Kinase	p.N659Y	GIST
Kinase	p.N659K	GIST
Kinase	p.T674I	AML, CELHS
Kinase	p.F808L	AML (M1)
Kinase	p.R822S	GIST
Kinase	p.V824V	Glioma
Kinase	p.G829R	Glioma
Kinase	p.G838G	GIST
Kinase	p.R841S	GIST
Kinase	p.R841 D842>KN	GIST
Kinase	p.R841 D842del	GIST
Kinase	p.D842*	GIST
Kinase	p.D842I	GIST
Kinase	p.D842 D846>G	GIST
Kinase	p.D842 D846>N	GIST
Kinase	p.D842 D846>S	GIST
Kinase	p.D842 H845>A	GIST
Kinase	p.D842 H845>V	GIST
Kinase	p.D842 S847>EA	GIST
Kinase	p.D842 S847>RV	GIST
Kinase	p.D842del	GIST
Kinase	p.D842 H846>A	GIST
Kinase	p.D842 H846>H	GIST
Kinase	p.D842 D846>E	GIST
Kinase	p.D842 M844del	GIST
Kinase	p.D842Y	GIST
Kinase	p.D842 H845del	GIST
Kinase	p.D842V	GIST
Kinase	p.I843 S847>I	GIST

Kinase	p.I843 S847>T	GIST
Kinase	p.I843 D846del	GIST
Kinase	p.M844 S847>P	GIST
Kinase	p.M844 S847del	GIST
Kinase	p.H845 N848>P	GIST
Kinase	p.D846Y	GIST
Kinase	p.Y849C	GIST
Kinase	p.N870S	AML (M1)
Cytoplasmic tail	p.E996K	Melanoma
Cytoplasmic tail	p.S1048fs*3	Glioma
Cytoplasmic tail	p.I1050T	Glioblastoma
Cytoplasmic tail	p.D1071N	Lung NSCLC

SOURCES

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