

APPENDIX **XVI**

*TUMOR ASSOCIATED KINASE
DOMAIN MUTATIONS IN ABL*

Domain	Mutation	Tumor type
N-terminus	p.R47G	lung
SH2	p.R166K	skin
N-terminal to kinase	p.M237I	CML
Kinase	p.M244V	CML
Kinase	p.L248V	CML
Kinase	p.G250E	BPCML, CML
Kinase	p.Q252E	CML
Kinase	p.Q252R	BPCML
Kinase	p.Q252H	CML, BPCML
Kinase	p.Y253F	CML, BPCML
Kinase	p.Y253H	ALL, CML, BPCML
Kinase	p.E255V	ALL, CML, BPCML
Kinase	p.E255K	ALL, BPCML, CML
Kinase	p.D276G	ALL, CML
Kinase	p.V304G	CML
Kinase	p.F311L	CML
Kinase	p.T315N	CML
Kinase	p.T315I	ALL, BPCML, CML
Kinase	p.F317L	CML, BPCML
Kinase	p.G321E	CML
Kinase	p.M343T	BPCML
Kinase	p.M351T	CML, BPCML
Kinase	p.E352G	CML
Kinase	p.Y353H	CML

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Kinase	p.E355G	CML, BPCML
Kinase	p.F359A	CML
Kinase	p.F359V	ALL, CML, BPCML
Kinase	p.V371A	CML
Kinase	p.E373G	CML
Kinase	p.V379I	CML
Kinase	p.F382L	BPCML
Kinase	p.L387M	CML
Kinase	p.T389A	CML
Kinase	p.H396P	ALL
Kinase	p.H396R	CML, BPCML
Kinase	p.S417Y	CML
Kinase	p.E459K	CML
Kinase	p.F486S	CML

SOURCES

Forbes SA, Bhamra G, Bamford, S, Dawson E, Kok C, Clements J, Menzies A, Teague JW, Futreal PA, Stratton MR. The Catalog of Somatic Mutations in Cancer (COSMIC). *Curr Protocols Hum Genet.* 2008 Apr; Chapter 10: Unit 10.11.