



**d** **Predicted Clinical Outcomes: ABL**

Genotype	Imatinib	Nilotinib	Dasatinib	Bosutinib	Ponatinib
WT	(S) 0.77	(S) 1.52	(S) 1.35	(S) 1.31	(S) 3.50
M244V	(R) 0.66	(S) 1.17	(S) 0.80	NA 0.63	(S) 1.36
L248V	(R) 0.08	(S) 0.45	(S) 0.34	NA 0.14	NA 1.25
G250E	(R) 0.06	(S) 0.22	(S) 0.33	NA 0.27	(S) 0.75
Q252H	(R) 0.03	NA 0.64	NA 0.68	NA 0.53	NA 1.47
Y253F	(R) 0.06	NA 0.62	NA 1.35	NA 1.09	NA 2.09
Y253H	(R) 0.00	(R) 0.01	(S) 0.56	NA 0.72	NA 1.19
E255K	(R) 0.02	(R) 0.38	(S) 0.60	NA 0.40	(S) 1.67
E255V	(R) 0.00	NA 0.02	(S) 0.31	NA 0.26	(S) 0.64
D276G	(R) 0.46	(S) 1.07	NA 1.33	NA 1.50	NA 1.95
V299L	NA 0.80	NA 1.13	(R) 0.16	NA 0.00	(S) 2.89
T315I	(R) 0.04	(R) 0.00	(R) 0.00	(R) 0.00	(S) 0.95
F317L	(R) 0.23	(S) 0.61	(R) 0.11	NA 0.58	(S) 1.75
M351T	(R) 0.17	(S) 1.18	(S) 1.30	NA 1.09	NA 2.77
E355A	(R) 0.26	NA 1.08	NA 0.99	NA 1.22	(S) 1.50
E355G	(R) 0.22	NA 0.99	(S) 0.97	NA 1.11	NA 2.34
F359C	(R) 0.05	NA 0.26	(S) 1.15	NA 0.86	(S) 1.70
F359I	(R) 0.31	(R) 0.27	(S) 0.74	NA 1.59	(S) 0.80
F359L	(R) 1.11	NA 1.12	NA 1.55	NA 1.67	NA 2.84
F359V	(R) 0.13	(R) 0.28	(S) 0.82	NA 0.94	(S) 1.03
H396P	(R) 0.01	NA 0.23	NA 0.86	NA 1.08	(S) 1.32
H396R	(R) 0.21	(S) 0.31	(S) 0.29	NA 0.44	NA 1.85
E459K	(R) 0.38	(S) 1.03	NA 0.93	NA 0.78	(S) 1.59
F486S	(R) 0.01	NA 0.56	NA 0.57	NA 0.52	NA 1.63

Imatinib Nilotinib Dasatinib Bosutinib Ponatinib

Drug

Correct Incorrect NA