

Table 2: Analysis of dasatinib targets based on the identity of its gatekeeper residue

gatekeeper	No. of dasatinib targets	No. of kinases in kinome
Thr	60	94
Met	4	183
Val	1	15
Ile		10
Asn		2
Ser		5
Leu		79
Phe		67
Gln		8
Glu		6
Arg		4
Tyr		4
Ala		3
Cys		2
Gly		2
Pro		1
Trp		1
sum	65	486

Kinases that are targeted by dasatinib identified by us (see Results and U. R., unpublished results), identified by Carter et al. (1) or the Invitrogen SelectScreen Panel (http://www.invitrogen.com/downloads/SelectScreen_Data_193.pdf) were sorted according to the identity of the gatekeeper residue. Among the 518 human kinases, the gatekeeper residue could unambiguously identified in 486 kinases.

1. Carter, T. A., Wodicka, L. M., Shah, N. P., Velasco, A. M., Fabian, M. A., Treiber, D. K., Milanov, Z. V., Atteridge, C. E., Biggs, W. H., 3rd, *et al.* (2005) *Proc Natl Acad Sci USA* 102, 11011-11016.