

Supplement Table 1. The effect of JOA or imatinib on cell growth and proliferation of K562 and BaF3 cells

BaF3 cell lines	JOA IC50 ( $\mu\text{M}$ ) $\pm$ SD	Imatinib IC50 ( $\mu\text{M}$ ) $\pm$ SD
K562	1.44 $\pm$ 0.1	0.68 $\pm$ 0.08
BaF3/WT	1.18 $\pm$ 0.2	0.75 $\pm$ 0.05
BaF3/T315I	0.73 $\pm$ 0.1	16.20 $\pm$ 0.7
BaF3/G250E	0.069 $\pm$ 0.06	6.04 $\pm$ 0.7
BaF3/Y253F	0.61 $\pm$ 0.04	8.32 $\pm$ 1.0
BaF3/M351T	0.75 $\pm$ 0.08	2.27 $\pm$ 0.5
BaF3/E255K	0.059 $\pm$ 0.04	0.74 $\pm$ 0.07
BaF3/H296P	0.36 $\pm$ 0.03	2.60 $\pm$ 0.4
BaF3/M244V	0.62 $\pm$ 0.1	1.81 $\pm$ 0.3
BaF3/E255V	0.096 $\pm$ 0.03	0.52 $\pm$ 0.15
BaF3/Q252H	0.093 $\pm$ 0.03	0.29 $\pm$ 0.12
BaF3/F311L	0.036 $\pm$ 0.04	0.37 $\pm$ 0.06
BaF3/F317L	0.43 $\pm$ 0.0.6	0.098 $\pm$ 0.04
BaF3/F359V	2.35 $\pm$ 0.9	0.50 $\pm$ 0.13