

## Supplementary Data

### PONATINIB K562 RESISTANT CELLS ARE RESISTANCE TO OTHER ANTI-ABL TYROSINE KINASE INHIBITORS

KS and KRPO cells were incubated in the presence of ponatinib (40 nM), imatinib (2 μM), nilotinib (20 nM) or dasatinib (20nM) (A). Upon 24h incubation an aliquot (5.10<sup>4</sup> cells) was incubated with annexin V-APC and DAPI. The percent of apoptotic cells was measured by flow cytometry. Results are from three experiments. Asterisk indicates significance with p<0.05. No significant difference is indicated by NS.

To determine if ponatinib can be a substrate of MRD, Pgp was inhibited by incubation with verapamil (5μg/ml). KS and KRPO cells were incubated in the presence of vehicle, ponatinib (40 nM), verapamil (5μg/ml) or ponatinib plus verapamil (5μg/ml). Upon 24h incubation an aliquot (5.10<sup>4</sup> cells) was incubated with annexin V-APC and percent of apoptotic cells was measured by flow cytometry. Results are from three experiments. Asterisk indicates significance with p<0.05. No significant difference is indicated by NS.

