

## **Description of Supplementary Files**

File Name: Supplementary Data 1

Description: Tandem-affinity purification mass spectrometry results of the Bcr-Abl DH-PH from K562 cells. Unique peptide counts of proteins found after tandem affinity purification of Strep-HA-tagged DHPH and negative controls (GFP and Shc-1).

File Name: Supplementary Data 2

Description: Liposome composition for the 36 lipid mixtures that were used for the Liposome MicroArray (LiMA) assay.

File Name: Supplementary Data 3

Description: Raw data of the Liposome MicroArray (LiMA) assays shown in Fig. 5d and Supplementary Figure 9c/d.

File Name: Supplementary Data 4

Description: Sequences of the cloning and mutagenesis primers that were used for this study.