



Figure S5. Electron static surface model show the close and open conformation of the substrate-binding pocket. a Close conformation of substrate-binding pocket in the apo-PLD α 1 structure. **b** Open conformation of substrate-binding pocket in the PLD α 1-PA complex structure. PA is shown with a stick model. The positive-charged patches are circled with dotted line. Red color and blue color indicate the negative and positive charges.