## Cotargeting of Mitochondrial Complex I and BcI-2 Shows Antileukemic Activity against Acute Myeloid Leukemia Cells Reliant on Oxidative Phosphorylation

Fangbing Liu<sup>1</sup>, Hasini A. Kalpage<sup>2</sup>, Deying Wang<sup>3</sup>, Holly Edwards<sup>4,5</sup>, Maik Hüttemann<sup>2</sup>, Jun Ma<sup>1</sup>, Yongwei Su<sup>1,4,5</sup>, Jenna Carter<sup>6</sup>, Xinyu Li<sup>1</sup>, Lisa Polin<sup>4,5</sup>, Juiwanna Kushner<sup>4,5</sup>, Sijana H Dzinic<sup>4,5</sup>, Kathryn White<sup>4,5</sup>, Guan Wang<sup>1\*</sup>, Jeffrey W. Taub<sup>7,8\*</sup>, and Yubin Ge<sup>4,5,6\*</sup>.

- <sup>1</sup> National Engineering Laboratory for AIDS Vaccine, Key Laboratory for Molecular Enzymology and Engineering, the Ministry of Education, School of Life Sciences, Jilin University, Changchun, China
- <sup>2</sup> Center for Molecular Medicine and Genetics, Wayne State University School of Medicine, Detroit, MI
- <sup>3</sup> The Tumor Center of the First Hospital of Jilin University, Changchun, P. R. China
- <sup>4</sup> Department of Oncology, Wayne State University School of Medicine, Detroit, MI
- <sup>5</sup> Molecular Therapeutics Program, Barbara Ann Karmanos Cancer Institute, Wayne State University School of Medicine, Detroit, MI
- <sup>6</sup> Cancer Biology Graduate Program, Wayne State University School of Medicine, Detroit, MI
- <sup>7</sup> Division of Pediatric Hematology/Oncology, Children's Hospital of Michigan, Detroit, MI
- <sup>8</sup> Department of Pediatrics, Wayne State University School of Medicine, Detroit, MI
- \* Correspondence: <u>gey@karmanos.org</u> (Y.G.); <u>jtaub@med.wayne.edu</u> (J.W.T.); <u>wg10@jlu.edu</u> (W.G.).

Fig. 1 A



Fig. 5A



Fig. 5A



## Figure 5C

С



# Figure 5D



Figure 5









### Figure 6D





