Supporting material for: Kernelized Logistic Matrix Factorization based on Similarity Network Fusion for Predicting Virus-host Association

Dan Liu1, 2, Yingjun Ma1,2, Xingpeng Jiang1,2\* and Tingting He1,2\*

1School of Computer, Central China Normal University, Wuhan, Hubei, China

2Hubei Provincial Key Laboratory of Artificial Intelligence and Smart Learning，Central China Normal University, Wuhan, Hubei, China

\*Corresponding Author: Xingpeng Jiang, xpjiang@mail.ccnu.edu.cn

Tingting He, tthe@mail.ccnu.edu.cn

Email addresses:

DL: [liudan@mails.ccnu.edu.cn](mailto:liudan@mails.ccnu.edu.cn)

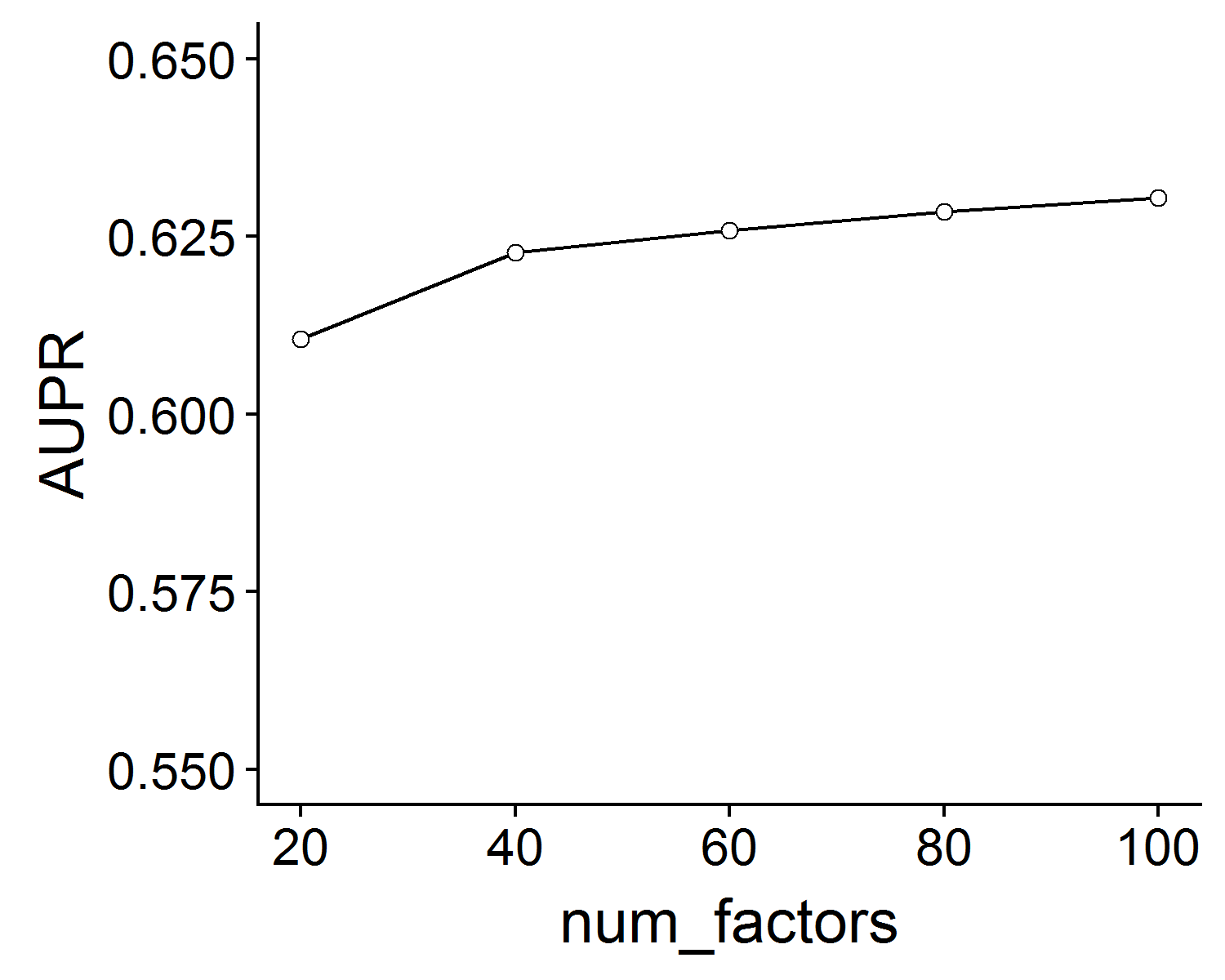
YM: yingjunma@mails.ccnu.edu.cn

XH: [huxiaohua@mail.ccnu.edu.cn](mailto:huxiaohua@mail.ccnu.edu.cn)

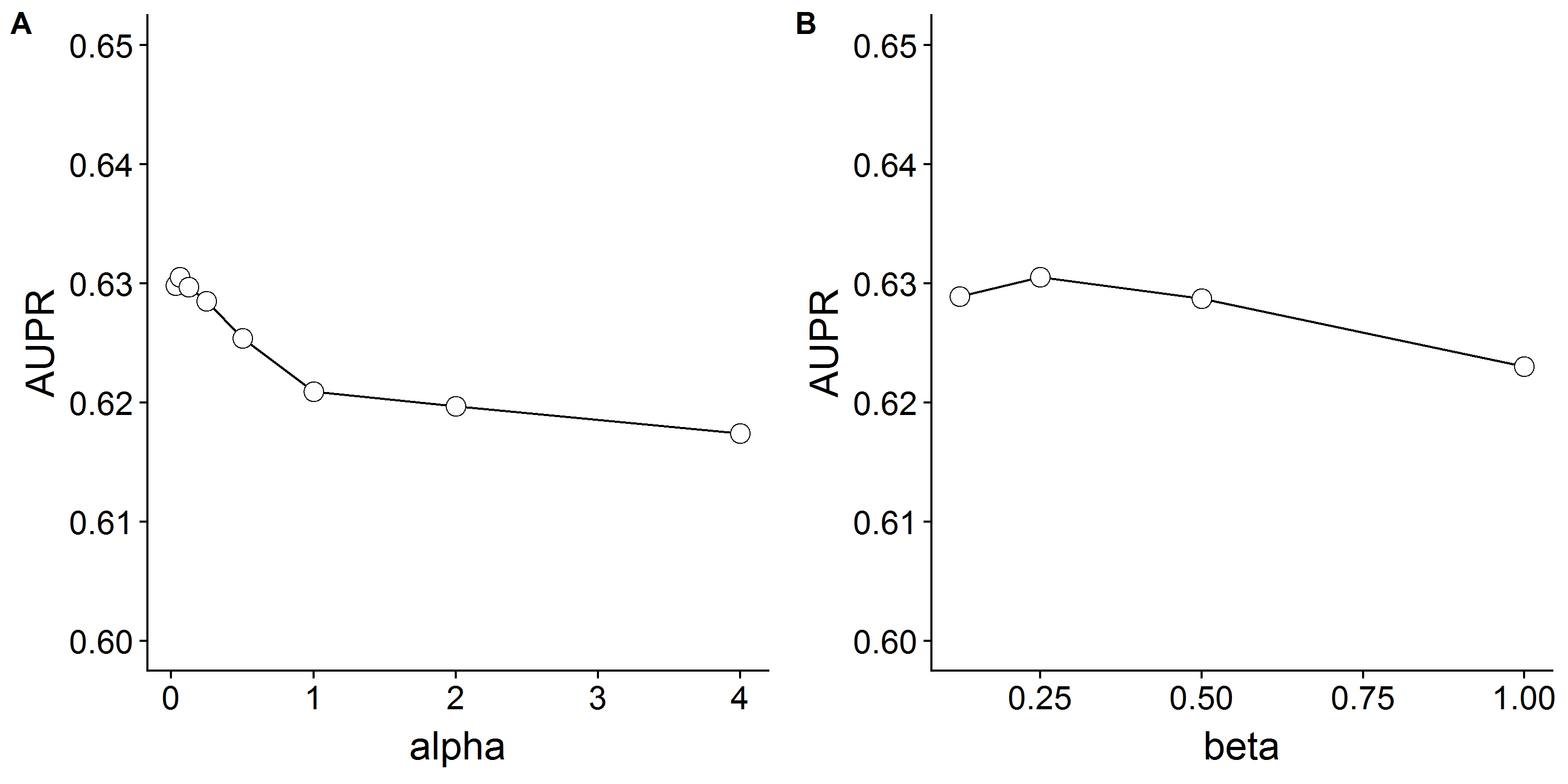
TH: tthe@mail.ccnu.edu.cn

XJ: xpjiang@mail.ccnu.edu.cn

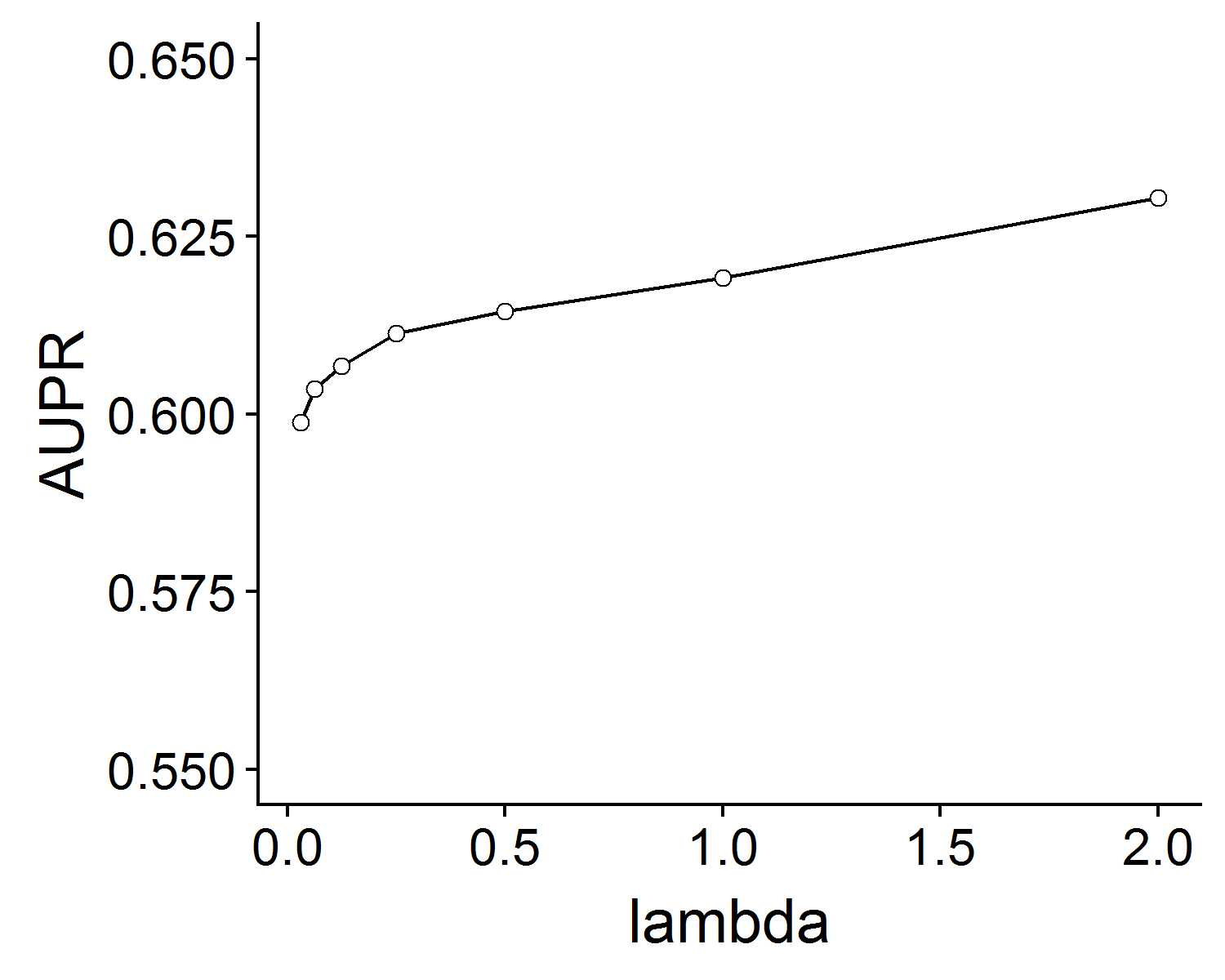
**Figure S1. The trend chart of AUPR values vary with the factorization factor .**



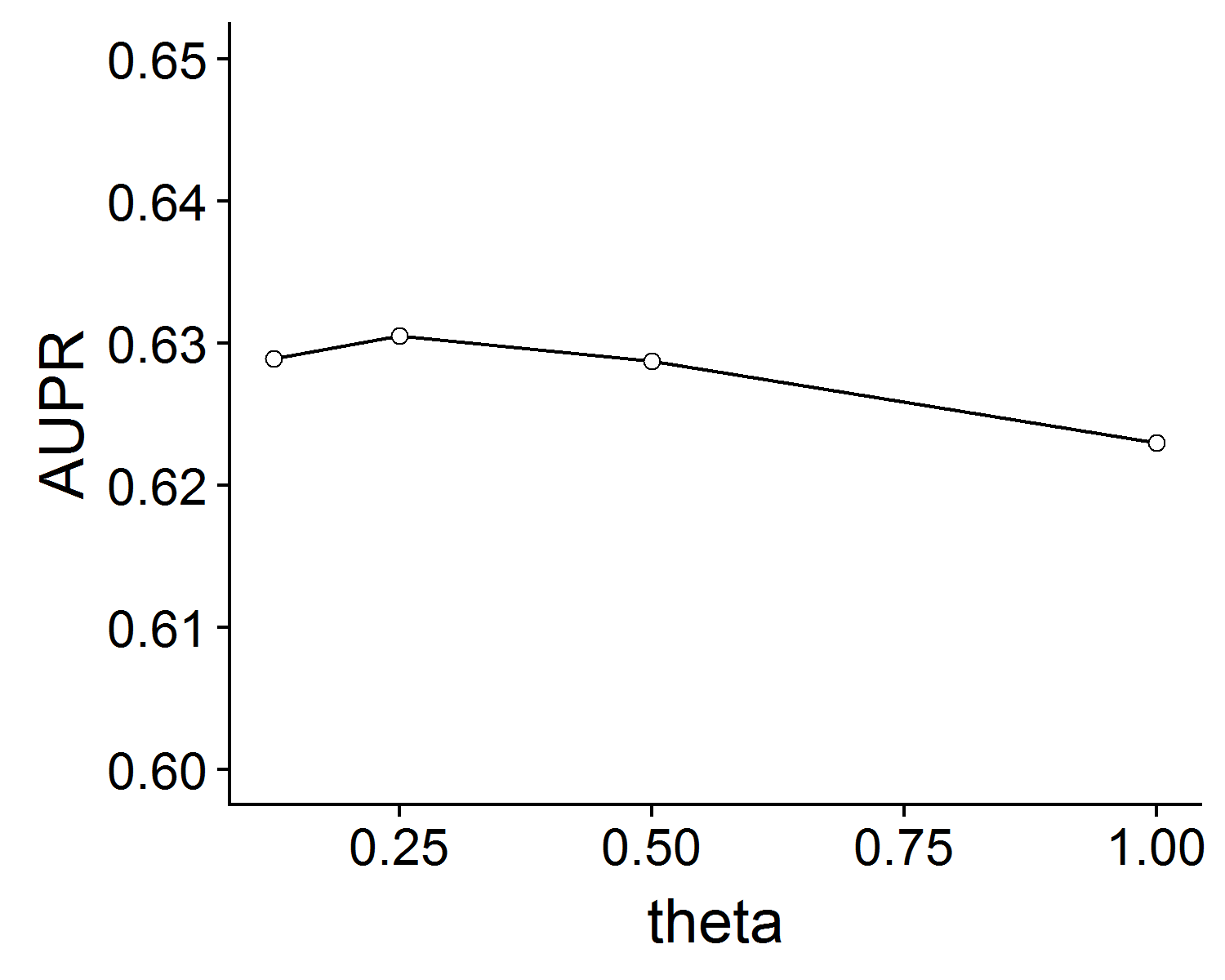
**Figure S2. The trend chart of AUPR values vary with regularization parameters and .**

****

**Figure S3. The trend chart of AUPR values vary with the inverse of the variance .**

****

**Figure S4. The trend chart of AUPR values vary with the learning rate parameter .**

****

**Figure S5. The trend chart of AUPR values vary with the neighbor number parameter .**

****