**Supplementary figure 1.** Haploview plots showing the LD structure for the highlighted 66 SNPs in *NRG1, ERBB4, NRG3, BACE1, APH1A,* and *PSEN2* in discovery phase. For each gene plots indicating $R^2$ and $D'$ values are presented. Block boundaries were defined by the ‘Solid spine of LD’ option of Haploview.

a) *NRG1*

**$R^2$**

**$D'$**
b) \textit{ERBB4}$

$R^2$
c)  NRG3
   R^2

D'

D'

D'

D'

d)  APH1A and PSEN2
   R^2

D'

D'

D'

D'

e)  BACE1
   R^2

D'

D'

D'

D'