Supplementary Figure 2

A  

C1qA relative mRNA expression

control schizophrenia

B  

C3 relative mRNA expression

control schizophrenia

C

C3 protein relative expression

CTRL SCZ CTRL SCZ

125 kDa

43 kDa

D

C4 relative mRNA expression

control schizophrenia

E

C4 relative protein expression

control schizophrenia

92kDa

F

CD55 (DAF) relative mRNA expression

control schizophrenia

G

CD59 (MAC-I) relative mRNA expression

control schizophrenia

***
Supplementary Figure 2. Complement pathway-related transcripts and protein in the midbrain in schizophrenia cases and controls. (A) Gene expression of the complement cascade initiator molecule, C1qA was not changed by diagnosis (F = 0.49, df=51,1, p = 0.49). (B) C3 mRNA (F=1.71, df=51,1, p = 0.20, covaried for age) and (C) C3 protein levels (125 kDa: $t = -1.57$, df = 49; 43 kDa: $t = -0.033$, df = 47, both $p > 0.05$) were unchanged by diagnosis. (D) C4 mRNA ($t = -0.93$, df = 50, $p = 0.36$) and (E) C4 protein levels ($t = -1.57$, df = 49, $p = 0.12$) were unchanged by diagnosis. (F) CD55 mRNA was unchanged by diagnosis ($t = 0.27$, df = 53, $p = 0.79$) and (G) CD59 was increased in schizophrenia cases compared to controls (F = 10.89, df = 53,1, $p = 0.002$). Data are mean ± SEM, *** $p< 0.001$. 