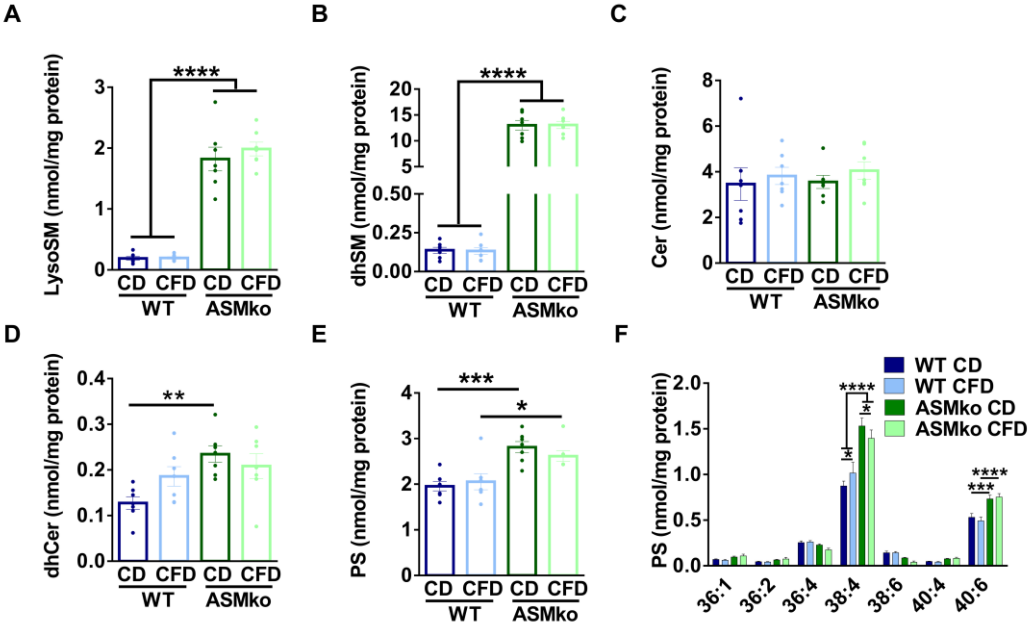


Figure S1. Choline deficiency effects on the liver levels of sphingolipids and phosphatidylserine. A. Graphs show mean ± SEM of total LysoSM levels expressed as nmol/mg protein in extracts from liver of wt and ASMko mice fed a control diet or a choline-free diet (n=7; ****p<0.0001). B. Graphs show mean ± SEM of total dhSM levels expressed as nmol/mg protein in extracts from liver of wt and ASMko mice fed a control diet or a choline-free diet (n=7; ****p<0.0001). C. Graphs show mean ± SEM of total Cer levels expressed as nmol/mg protein in extracts from liver of wt and ASMko mice fed a control diet or a choline-free diet (n=7). D. Graphs show mean ± SEM of total dhCer levels expressed as nmol/mg protein in extracts from liver of wt and ASMko mice fed a control diet or a choline-free diet (n=7; **p<0.01). E. Graphs show mean ± SEM of total PS levels expressed as nmol/mg protein in extracts from liver of wt and ASMko mice fed a control diet or a choline-free diet (n=7; *p<0.05; ***p<0.001). F. Graphs show mean ± SEM of the indicated PS levels expressed as nmol/mg protein in extracts from liver of wt and ASMko mice fed a control diet or a choline-free diet (n=7; *p<0.05; ***p<0.001; ****p<0.0001).

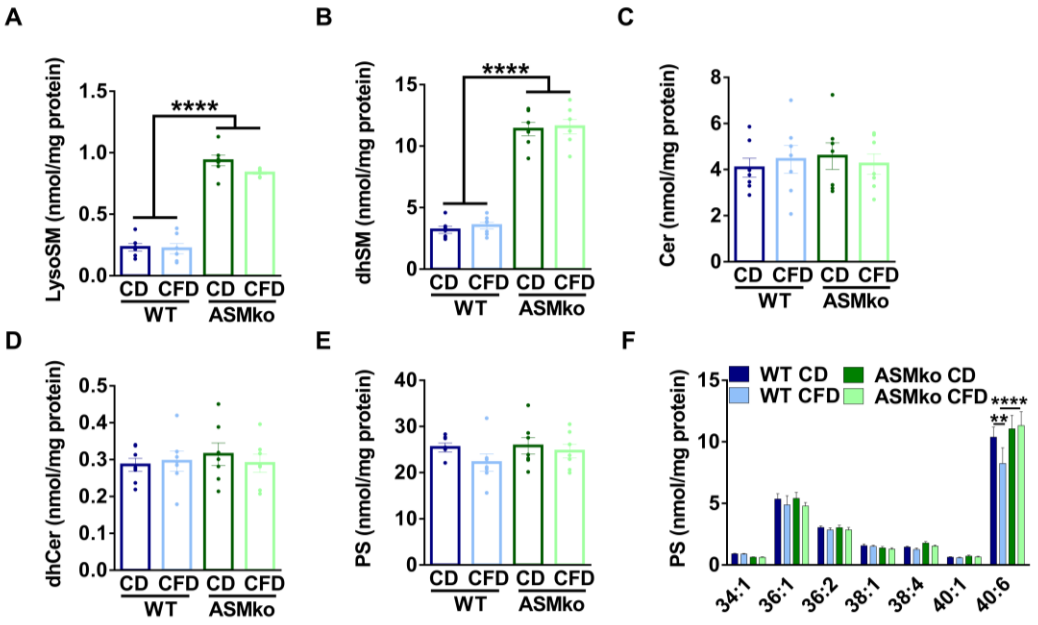


Figure S2. Choline deficiency effects on the brain levels of sphingolipids and phosphatidylserine. A. Graphs show mean ± SEM of total LysoSM levels expressed as nmol/mg protein in extracts from cerebellum of wt and ASMko mice fed a control diet or a choline-free diet (n=7; ****p<0.0001). B. Graphs show mean ± SEM of total dhSM levels expressed as nmol/mg protein in extracts from cerebellum of wt and ASMko mice fed a control diet or a choline-free diet (n=7; ****p<0.0001). C. Graphs show mean ± SEM of total Cer levels expressed as nmol/mg protein in extracts from cerebellum of wt and ASMko mice fed a control diet or a choline-free diet (n=7). D. Graphs show mean ± SEM of total dhCer levels expressed as nmol/mg protein in extracts from cerebellum of wt and ASMko mice fed a control diet or a choline-free diet (n=7; **p<0.01). E. Graphs show mean ± SEM of total PS levels expressed as nmol/mg protein in extracts from cerebellum of wt and ASMko mice fed a control diet or a choline-free diet (n=7; *p<0.05; ***p<0.001). F. Graphs show mean ± SEM of the indicated PS levels expressed as nmol/mg protein in extracts from cerebellum of wt and ASMko mice fed a control diet or a choline-free diet (n=7; *p<0.05; ***p<0.001; ****p<0.0001).