

Supplemental Figure 1. LC-MS(MSn) identification of 7α-hydroxy-27-*nor*cholest-4-ene-3,24-dione in CSF. (A) RIC of 539.4004 ± 5 ppm (upper panel) and 534.3690 ± 5 ppm (lower panel) and (B) MS3 (M+🡪M-Py+🡪) spectrum appropriate to 7α-hydroxy-27-*nor*cholest-4-ene-3,24-dione.



Supplemental Figure 2. Multivariate analysis on the data from Study 1 using SIMCA software and orthogonal projection to latent structures discriminant analysis (OPLS-DA). This yielded a robust model separating PD (blue) from controls (green) (Q2=0.68, ANOVA=3.2e-7 for cross-validated model).