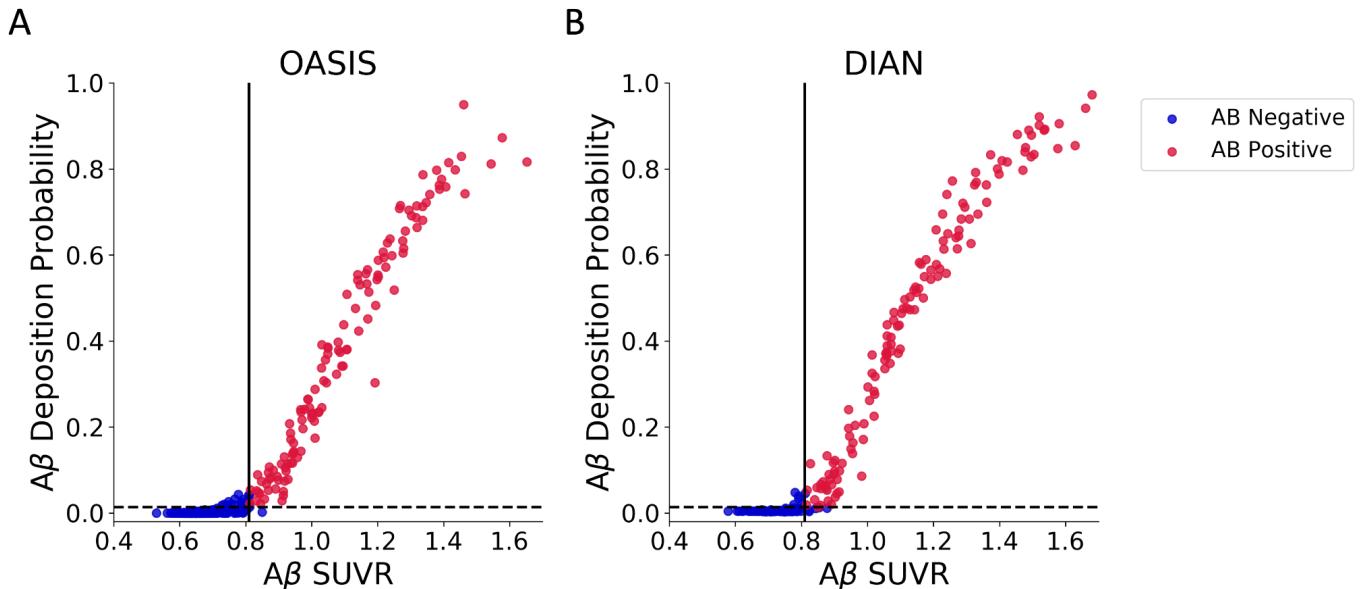


## Supplemental Figures



**Supplementary Figure 1.** A $\beta$  positivity defined using joint data driven thresholds computed using SUVR and deposition probability values. The solid line represents the GMM derived A $\beta$  SUVR threshold of 0.81, and the dashed line represents the A $\beta$  deposition probability threshold of 0.0136. Subjects who are positive for both are colored red while those that don't satisfy both criteria are deemed A $\beta$  negative and are colored blue.

|           | DMN vs Striatum (Z-score) | DMN vs Other (Z-score) |
|-----------|---------------------------|------------------------|
| Sex       | ns                        | ns                     |
| CDR       | ns                        | ns                     |
| Age       | -2.7                      | -3.1                   |
| Education | ns                        | 2.1                    |

**Supplementary Table 1.** Here, we report the results of a multinomial logistic regression used to assess differences between the epicenter subgroups in the amyloid positive DIAN dataset by covarying for sex, CDR, age, and education. When comparing DMN and Striatum groups, -2.7 indicates that age was lower in the Striatum group. The same relationship holds between DMN and Other. Education was higher in the Other group relative to the DMN group. NS: not significant.

## **Consortium author list**

The DIAN study investigators include: Sarah Adams, MS; Ricardo Allegri, PhD; Aki Araki, ; Nicolas Barthelemy, PhD; Randall Bateman,MD; Jacob Bechara, BS; Tammie Benzinger, MD, PhD; Sarah Berman, MD, PhD; Courtney Bodge, PhD; Susan Brandon, BS; William (Bill) Brooks, MBBS,MPH; Jared Brosch, MD, PhD; Jill Buck, BSN; Virginia Buckles, PhD; Kathleen Carter, PhD; Lisa Cash, BFA; Charlie Chen, BA; Jasmeer Chhatwal, MD,PhD; Patricio Chrem Mendez, MD; Jasmin Chua, BS; Helena Chui, MD; Laura Courtney, BS; Carlos Cruchaga, PhD; Gregory S Day, MD; Chrismary DeLaCruz, BA; Darcy Denner, PhD; Anna Diffenbacher, MS; Aylin Dincer, BS; Tamara Donahue, MS; Jane Douglas, MPh; Duc Duong, BS; Noelia Egido, BS; Bianca Esposito, BS; Anne Fagan, PhD; Marty Farlow, MD; Becca Feldman, BS,BA; Colleen Fitzpatrick, MS; Shaney Flores, BS; Nick Fox, MD; Erin Franklin, MS; Nelly Joseph-Mathurin, PhD; Hisako Fujii, PhD; Samantha Gardener, PhD; Bernardino Ghetti, MD; Alison Goate, PhD; Sarah Goldberg, MS,LPC,NCC; Jill Goldman, MS,MPhil,CGC; Alyssa Gonzalez, BS; Brian Gordon, PhD; Susanne Gräber-Sultan, PhD; Neill Graff-Radford, MD; Morgan Graham, BA; Julia Gray, MS; Emily Gremminger, BA; Miguel Grilo, MD; Alex Groves, ; Christian Haass, PhD; Lisa Häslер, MSc; Jason Hassenstab, PhD; Cortaiga Hellm, BA; Elizabeth Herries, BA; Laura Hoechst Swisher, MS; Anna Hofmann, MD; Anna Hofmann, ; David Holtzman, MD; Russ Hornbeck, MSCS, MPM; Yakushev Igor, MD; Ryoko Ihara, MD; Takeshi Ikeuchi, MD; Snezana Ikonomovic, MD; Kenji Ishii, MD; Clifford Jack, MD; Gina Jerome, MS; Erik Johnson, MD, PHD; Mathias Jucker, PhD; Celeste Karch, PhD; Stephan Käser, PHD; Kensaku Kasuga, MD; Sarah Keefe, BS; William (Klunk, MD, PHD; Robert Koeppe, PHD; Deb Koudelis, MHS,RN; Elke Kuder-Buletta, RN; Christoph Laske, PhD; Allan Levey, MD, PHD; Johannes Levin, MD; Yan Li, PHD; Oscar Lopez MD, MD; Jacob Marsh, BA; Ralph Martins, PhD; Neal Scott Mason, PhD; Colin Masters, MD; Kwasi Mawuenyega, PhD; Austin McCullough, PhD Candidate; Eric McDade, DO; Arlene Mejia, MD; Estrella Morenas-Rodriguez, MD, PhD; John Morris, MD; James Mountz, MD; Cath Mummery, PhD; Neelash Nadkarni, MD, PhD; Akemi Nagamatsu, RN; Katie Neimeyer, MS; Yoshiki Niimi, MD;James Noble, MD; Joanne Norton,MSN, RN, PMHCNS-BC ; Brigitte Nuscher, ; Ulricke Obermüller, ; Antoinette O'Connor, MRCPI; Riddhi Patira , MD; Richard Perrin, MD, PhD; Lingyan Ping, PhD; Oliver Preische, MD; Alan Renton, PhD; John Ringman, MD; Stephen Salloway, MD; Peter Schofield, PhD; Michio Senda, MD, PhD; Nicholas T Seyfried, D.Phil; Kristine Shady, BA, BS; Hiroyuki Shimada, MD, PhD; Wendy Sigurdson, RN; Jennifer Smith, PhD; Lori Smith, PA-C; Beth Snitz, PhD; Hamid Sohrabi, PhD; Sochenda Stephens, BS, CCRP;

Kevin Taddei, BS ; Sarah Thompson, PA-C; Jonathan Vöglein, MD; Peter Wang, PhD; Qing Wang, PhD;  
Elise Weamer, MPH; Chengjie Xiong, PhD; Jinbin Xu, PhD; Xiong Xu, BS, MS ;