

## Supplementary Information

**Title:**

**Metabolomic analysis identifies that amino acid metabolome signatures are altered in the postmortem brain of Alzheimer's disease**

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**Supplementary Table 1. Human brain tissue information for control subjects and Alzheimer’s disease patients.** The postmortem brain tissues were selected based on the Braak stage score. Severe AD group was selected from above 5 Braak stage score. The superior temporal cortex (gray matter) was obtained from frozen brain samples.

<b>Number</b>	<b>Case</b>	<b>Age</b>	<b>Sex (Male/Female)</b>	<b>Braak Stage</b>	<b>PMI</b>	<b>Region</b>
1	Control	101	Female	I	2 hr	Superior temporal cortex
2	Control	87	Female	I	<12 h	Superior temporal cortex
3	Control	74	Male	0	<12 h	Superior temporal cortex
4	Control	86	Male	II	3 hr	Superior temporal cortex
5	Control	87	Female	II	3 hr	Superior temporal cortex
6	Control	89	Male	III	6 hr	Superior temporal cortex
7	Control	67	Male	I	<12hr	Superior temporal cortex
8	Control	82	Male	I	<12hr	Superior temporal cortex
9	Control	61	Male	I	7 hr	Superior temporal cortex
1	AD	100	Female	V	N/A	Superior temporal cortex
2	AD	75	Male	V	9 hr	Superior temporal cortex
3	AD	89	Male	V	15.25 hr	Superior temporal cortex
4	AD	82	Male	V	0.5 hr	Superior temporal cortex
5	AD	79	Female	VI	4 hr	Superior temporal cortex
6	AD	70	Male	VI	3 hr	Superior temporal cortex
7	AD	59	Male	VI	<12hr	Superior temporal cortex
8	AD	80	Female	V	2 hr	Superior temporal cortex
9	AD	92	Male	V	5 hr	Superior temporal cortex