

Table S8. Stepwise logistic model predicting AD status using plasma, CSF or both plasma and CSF metabolites. Stepwise analysis was performed with the maximal validation r^2 as the model stopping criteria, or if an additional step increased the BIC. Model stopping point for each analysis is highlighted.

Step	Parameter	L-R ChiSquare	Sig Prob	Entry ChiSquare	Entry "Sig Prob"	RSquare	AICc	BIC	RSquare Validation
Plasma									
1	DEA/LEA	32	0.0001	27.8	1.36E-07	0.219	118	124	0.153
2	OEA/LEA	16.7	0.0001	15.1	1.03E-04	0.333	104	112	0.425
3	12,13-DiHOME/EpOME	11.5	0.0007	10.5	1.21E-03	0.412	94.4	105	0.469
4	14_15-DiHETrE	11.5	0.0007	11.3	7.95E-04	0.491	85.1	97.9	0.512
5	9_12_13-TriHOME	7.07	0.0078	6.46	0.0111	0.539	80.2	95.6	0.559
6	CA/CDCA	4.87	0.0274	4.54	0.0331	0.572	77.7	95.4	0.62
7	13-KODE	3.03	0.0817	3.02	0.0824	0.593	77	97.1	0.65
CSF									
1	CSF_OEA/LEA	43.7	0.0001	39.1	3.96E-10	0.154	244	251	0.0935
2	CSF_12(13)-EpOME	25.8	0.0001	24	9.75E-07	0.245	221	231	0.13
3	CSF_9(10)-EpOME	9.26	0.0023	8.86	0.00292	0.277	213	227	0.152
4	CSF_GLCA	7.46	0.0063	7.33	0.00677	0.304	208	224	0.167
5	CSF_12_13-DiHOME	3.72	0.0537	3.6	0.0577	0.317	207	226	0.183
CSF and plasma									
1	DEA/LEA	32	0.0001	27.8	1.36E-07	0.219	118	124	0.153
2	CSF_OEA/LEA	17.4	0.0001	16.7	4.36E-05	0.337	103	111	0.18
3	DHEA/LEA	8.11	0.0044	7.5	6.19E-03	0.393	97.2	108	0.284
4	17_18-DiHETE	6.35	0.0117	6.29	1.22E-02	0.436	93	106	0.384
5	9_12_13-TriHOME	6.14	0.0132	5.77	0.0163	0.478	89.1	104	0.42
6	CA/CDCA	1.54	0.214	1.53	0.216	0.489	89.9	108	0.473