

**Supplementary Table.1.****List of metabolites, lipids (Lip) and macromolecules (MM) quantified by LC Model**

S.No	Metabolite Name	Acronyms
1	Alanine	Ala
2	Aspartate	Asp
3	Creatine	Cr
4	Phophocreatine	PCr
5	Gamma-Aminobutyric acid	GABA
6	Glucose	Glc
7	Glutamine	Gln
8	Glutamate	Glu
9	Glycerophophocholine	GPC
10	Phosphocholine	PCh
11	Glutathione	GSH
12	2-Hydroxyglutarate	2HG
13	myo-inositol	Ins
14	Lactate	Lac
15	N-acetylaspartate	NAA
16	N-acetylaspartate glutamate	NAAG
17	Phophoethanolamine	PE
18	Scyllo-inositol	Scyllo
19	Taurine	Tau
20	Guanine	Gua
25	Lipid 13a	Lip 13a
26	Lipid 13b	Lip 13b
27	Lipid 09	Lip 09
28	Lipid 20	Lip 20
29	Macromolecules 09	MM 09
30	Macromolecules 12	MM 12
29	Macromolecules 14	MM 14
30	Macromolecules 17	MM 17
30	Macromolecules 20	MM 20