

<b>Metabolites from all 3 ROIs together</b>								
	IDH-wildtype (15 patients)			IDH1-mutation (2 patients)			p <sub>uncorr</sub>	Statistical test
	n	Median	SD	n	Median	SD		
nCr	43	0.850	0.435	5	0.300	0.367	<b>0.049</b>	T-test
nml	42	0.675	1.749	5	0.480	0.215	0.080	Mann-Whitney-U
nCho	43	1.310	0.805	5	0.730	0.402	0.054	T-test
nNAA	42	0.610	0.307	5	0.560	0.255	0.358	T-test
nGlx	43	1.030	0.436	5	1.230	0.756	<b>0.045</b>	T-test

  

<b>Metabolites from ce_tumour</b>								
	IDH-wildtype (15 patients)			IDH1-mutation (2 patients)			p <sub>uncorr</sub>	Statistical test
	n	Median	SD	n	Median	SD		
nCr	15	0.570	0.487	2	0.210	0.127	0.136	T-test
nml	14	0.580	0.795	2	0.305	0.262	0.200	Mann-Whitney-U
nCho	15	1.910	0.929	2	0.625	0.361	0.088	T-test
nNAA	14	0.420	0.178	2	0.250	0.000	0.227	T-test
nGlx	15	1.030	0.443	2	2.010	1.103	0.463	T-test

  

<b>Metabolites from flair_hyper</b>								
	IDH-wildtype (15 patients)			IDH1-mutation (2 patients)			p <sub>uncorr</sub>	Statistical test
	n	Median	SD	n	Median	SD		
nCr	13	0.860	0.261	1	0.700	n.a	n.a.	T-test
nml	13	0.610	2.719	1	0.480	n.a	n.a.	Mann-Whitney-U
nCho	13	1.160	0.463	1	0.720	n.a	n.a.	T-test
nNAA	13	0.540	0.194	1	0.690	n.a	n.a.	T-test
nGlx	13	0.980	0.350	1	0.840	n.a	n.a.	T-test

  

<b>Metabolites from NAM_outside</b>								
	IDH-wildtype (15 patients)			IDH1-mutation (2 patients)			p <sub>uncorr</sub>	Statistical test
	n	Median	SD	n	Median	SD		
nCr	15	1.040	0.470	2	0.655	0.516	0.263	T-test
nml	15	0.830	1.377	2	0.535	0.247	0.176	Mann-Whitney-U
nCho	15	1.190	0.807	2	1.100	0.523	0.644	T-test
nNAA	15	0.850	0.289	2	0.685	0.177	0.311	T-test
nGlx	15	1.030	0.513	2	1.445	0.346	0.360	T-test

**Supplementary Table S2:** Metabolites values depending on the IDH-status. **Abbreviations:** n:

number of spectra with Cramer-Rao bounds of less than 20%; p<sub>uncorr</sub>: uncorrected p-value; SD:

standard deviation; n.a.: not applicable; nCho: normalized choline; nCr: normalized creatine; nGlx:

normalized glutamate and glutamine; nml: normalized *myo*-inositol; nNAA: normalized N-

acetylaspartate and N-acetylaspartylglutamate.