Osprey

PubMed

GitHub

Load data

Process data

Model data

CoRegister

Segment

Quantify

Deldentify

Save MRSCont

Exit

MRS Container

\TEMP\mrs\P04608.7

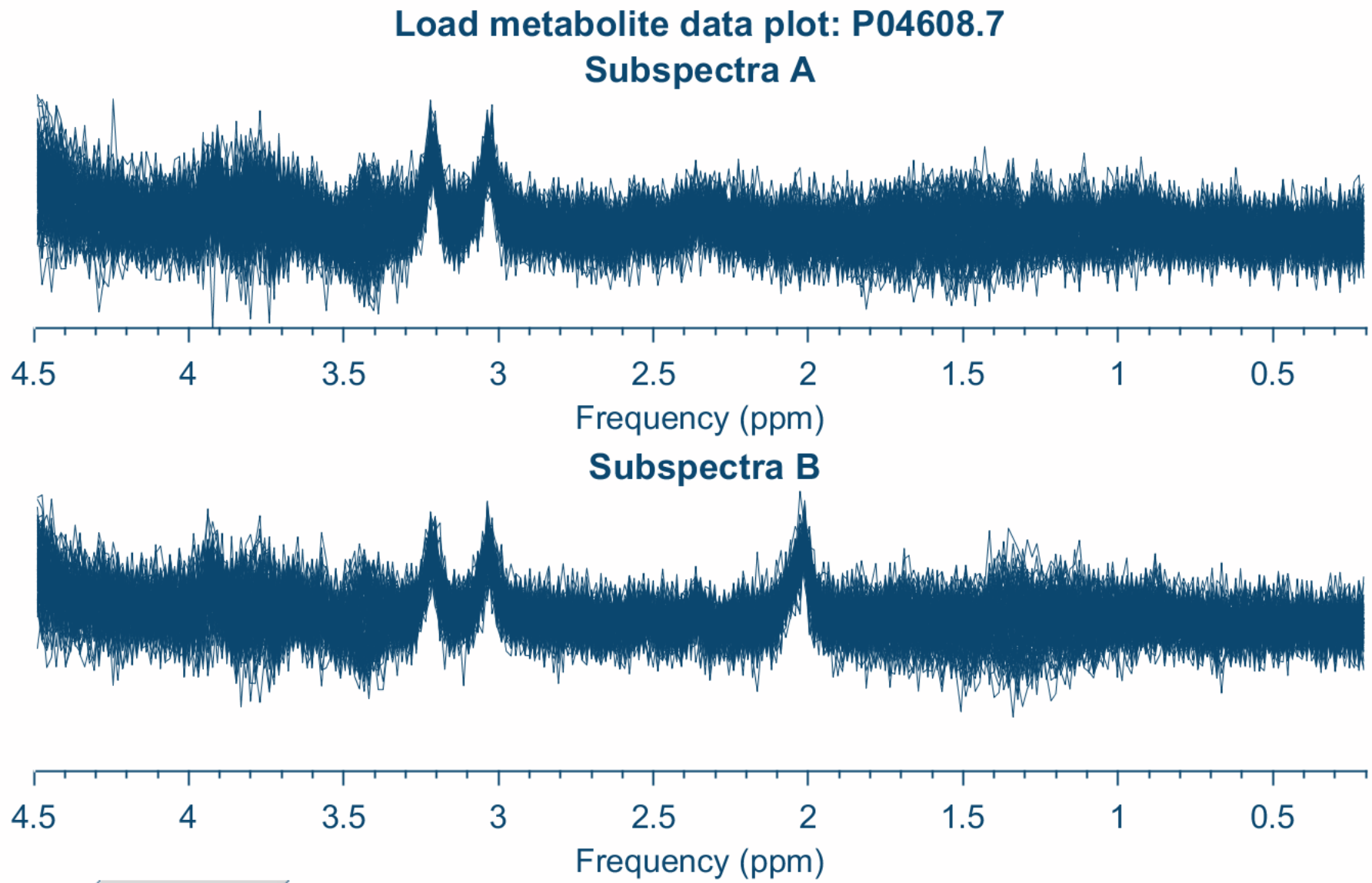
Raw | Processed | LC model | Cor/Seg | Quantified | Overview

Actual file: C:\Users\greger.oradd\Documents\MRS\TEMP\mrs\P04608.7

Metabolite Data -> Sequence: MEGA GE; B0: 2.9998; TE / TR: 80 / 1800 ms ; spectral bandwidth: 4000 Hz
raw subspecs: 2; raw averages: 256; averages: 256; Sz: 2048 128 2; dimensions: 21 x 18 x 30 mm = 11.34 ml

Save

PDF




metabolites | reference

Osprey

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MRS Container

\TEMP\mrs\P04608.7

Raw | Processed | LC model | Cor/Seg | Quantified | Overview

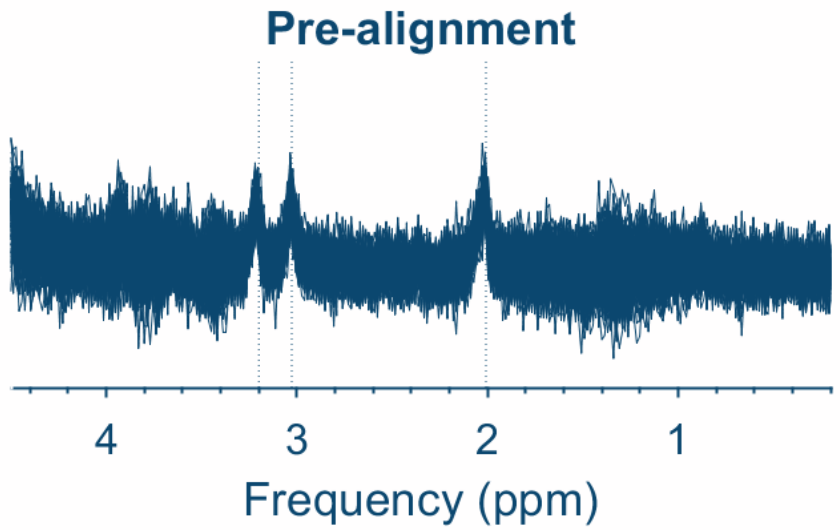
Actual file: C:\Users\greger.oradd\Documents\MRS\TEMP\mrs\P04608.7

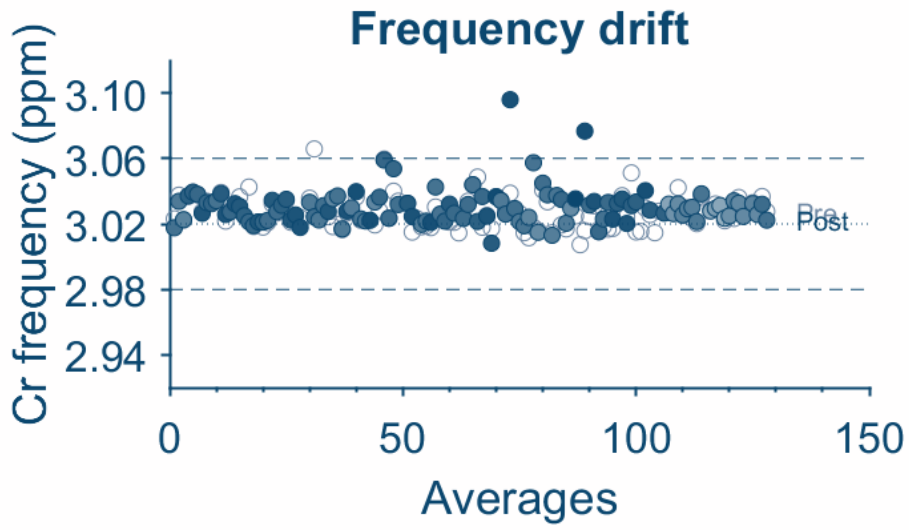
Metabolite Data -> SNR(tNAA): 62.0779; FWHM: 0.051112 / 6.5281 ppm / Hz

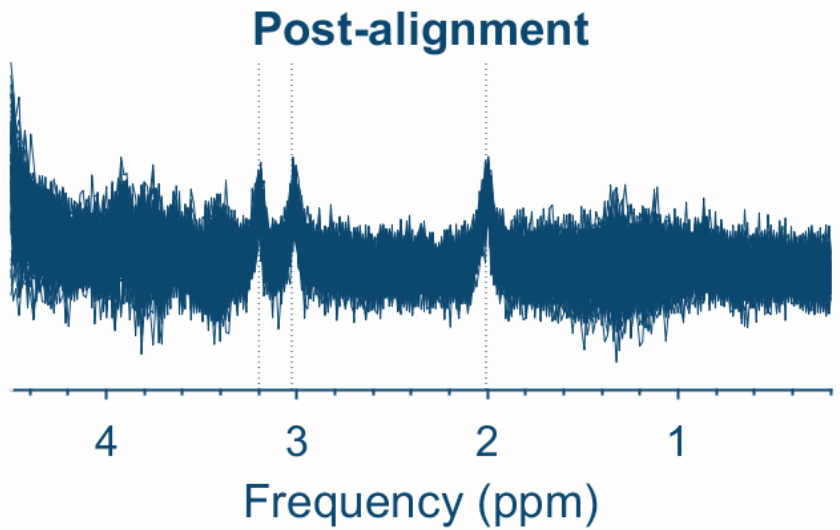
Reference shift: -2.0815 Hz

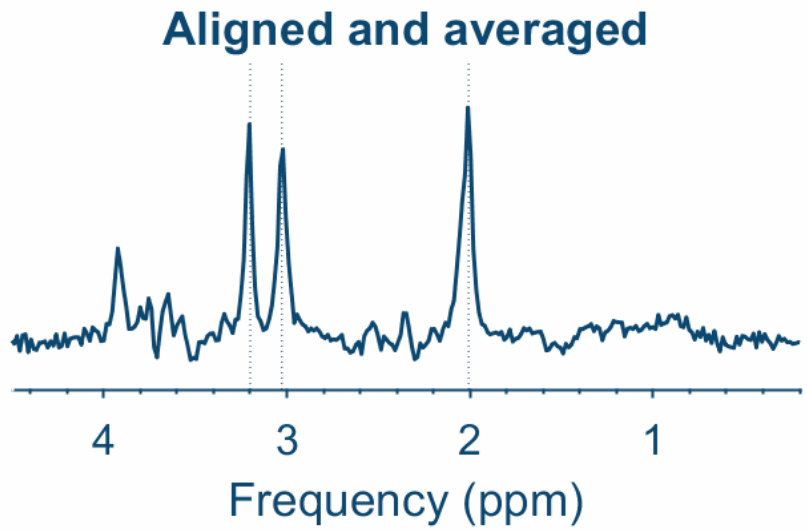
Save

PDF




A | B | diff1 | sum | ref

Osprey

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Keep yourself updated and request/develop new features on GitHub

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Raw | Processed | LC model | Cor/Seg | Quantified | Overview

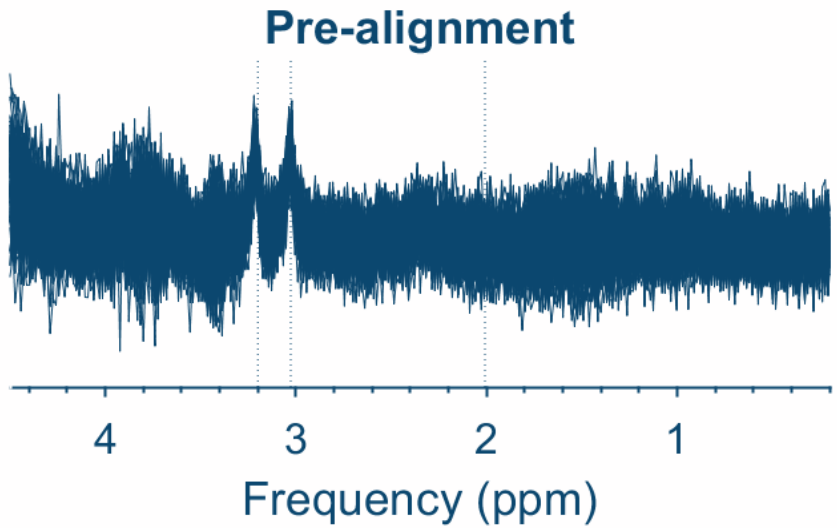
Actual file: C:\Users\greger.oradd\Documents\MRS\TEMP\mrs\P04608.7

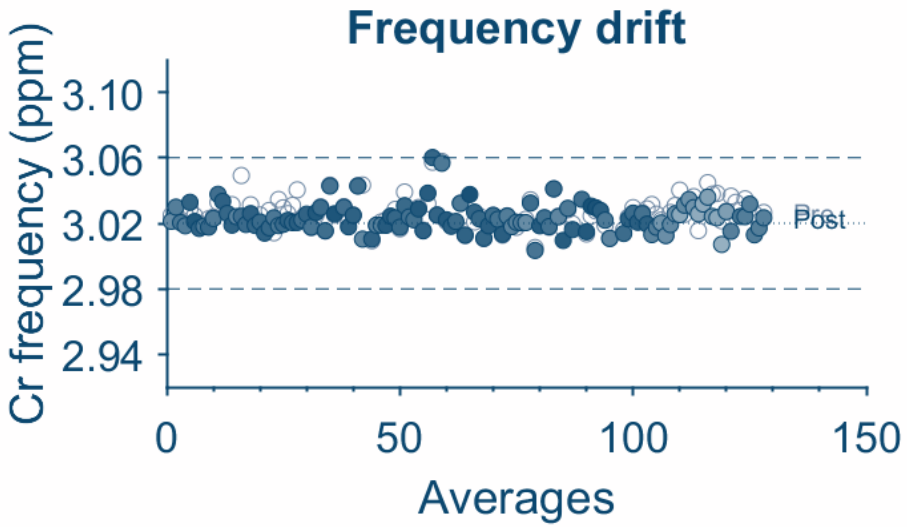
Metabolite Data -> SNR(tCr): 57.3112; FWHM: 0.11322 / 14.46 ppm / Hz

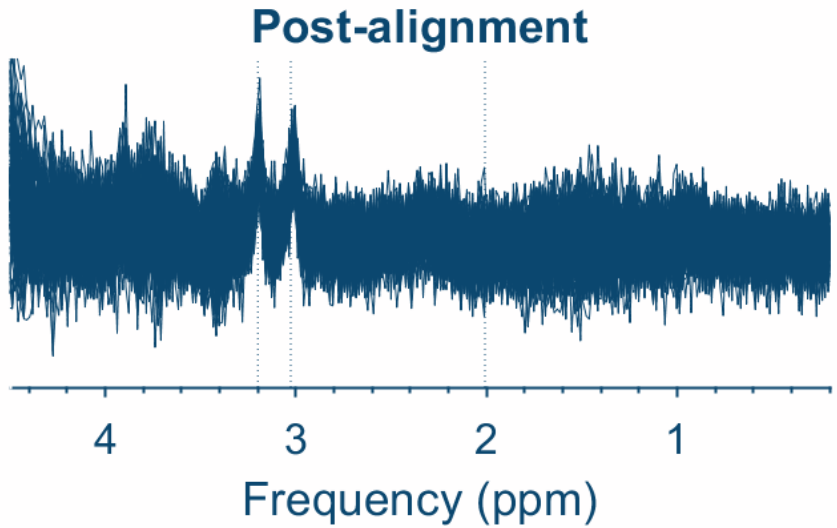
Twice as large as in A, which doesn't seem to be reflected in the spectra.

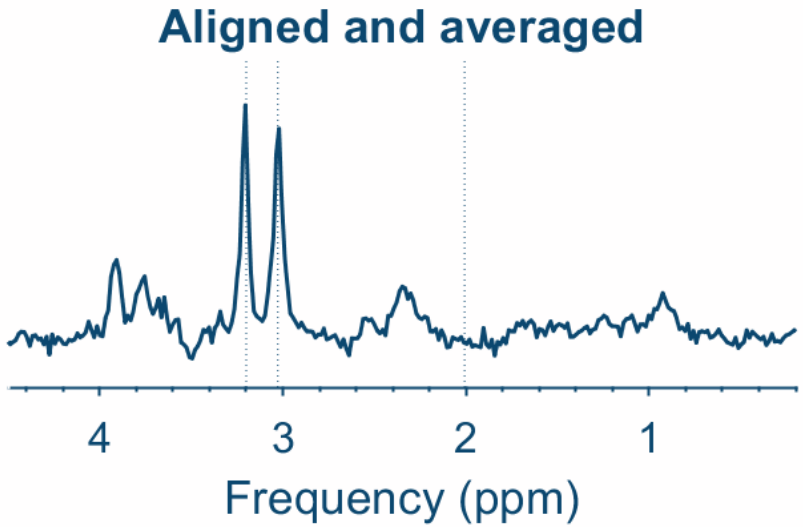
Save

PDF




A | B | diff1 | sum | ref

Osprey

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MRS Container

\TEMP\mrs\P04608.7

Raw | Processed | LC model | Cor/Seg | Quantified | Overview

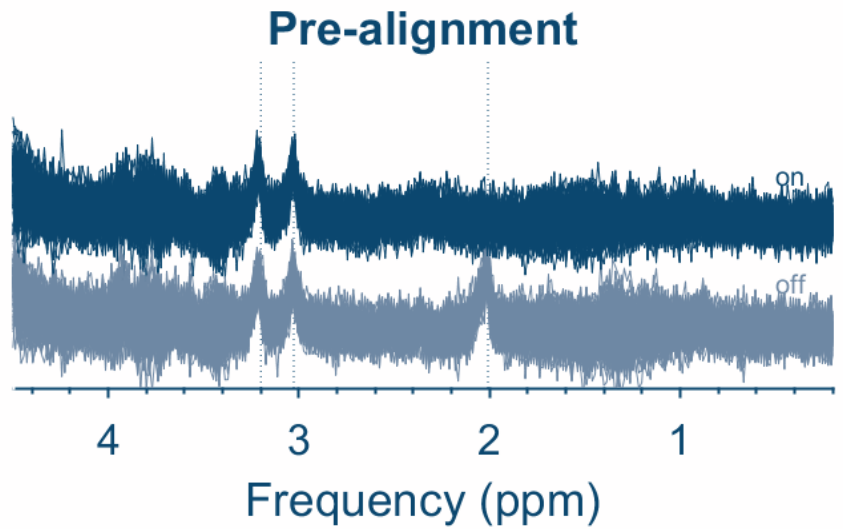
Actual file: C:\Users\greger.oradd\Documents\MRS\TEMP\mrs\P04608.7

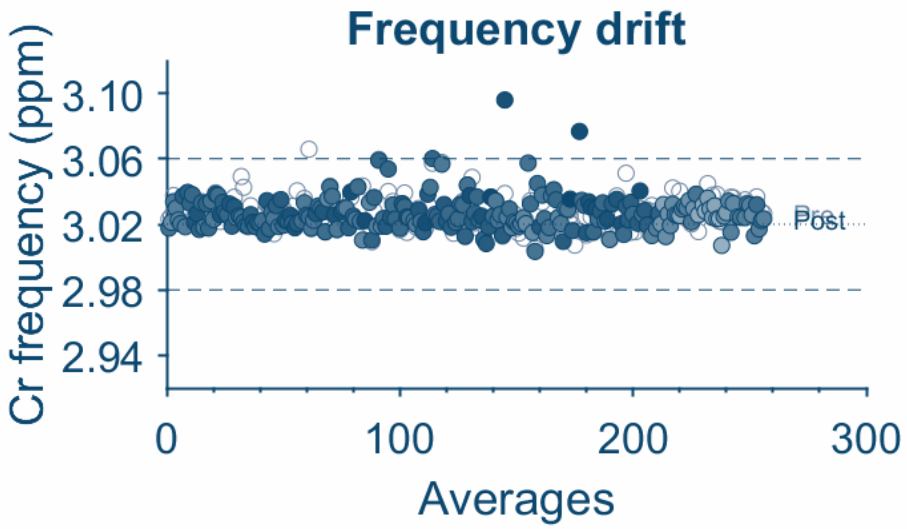
Metabolite Data -> SNR(GABA): 2.7798; FWHM: 0.22875 / 29.2167 ppm / Hz

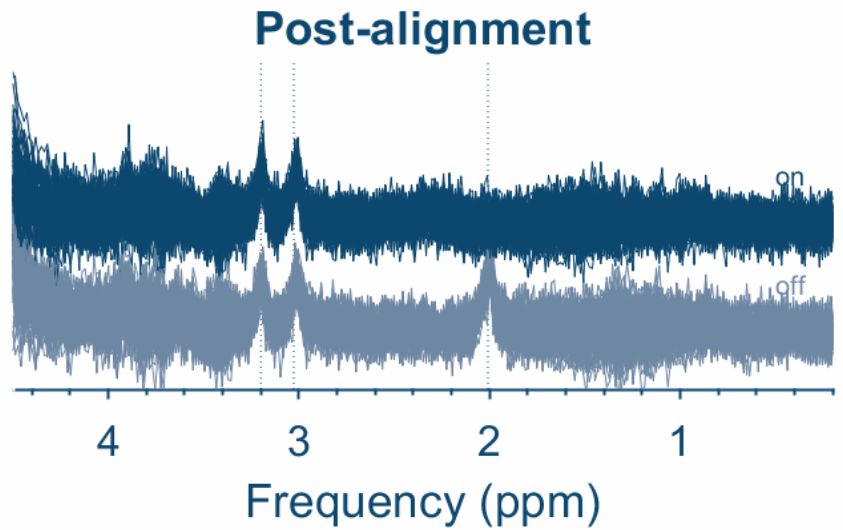
Reference shift: -2.0815 Hz

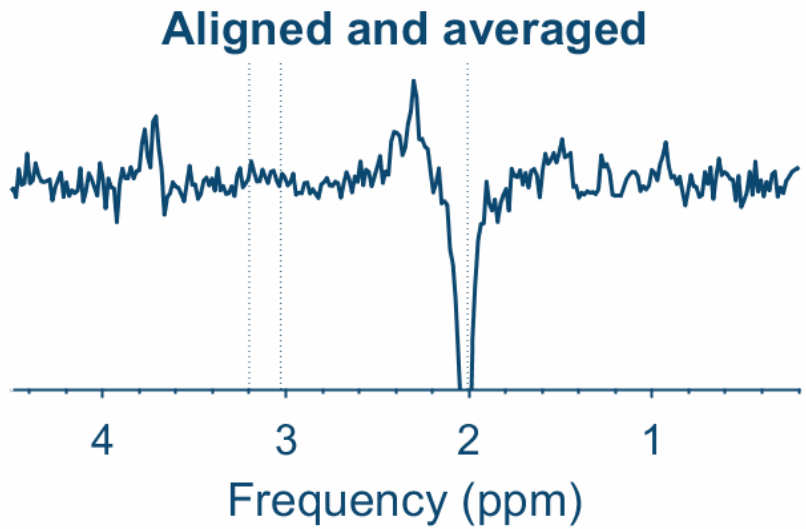
Save

PDF




A | B | diff1 | sum | ref

Osprey

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Save MRSCont

Exit

MRS Container

\TEMP\mrs\P04608.7

Raw | Processed | LC model | Cor/Seg | Quantified | Overview

Actual file: C:\Users\greger.oradd\Documents\MRS\TEMP\mrs\P04608.7

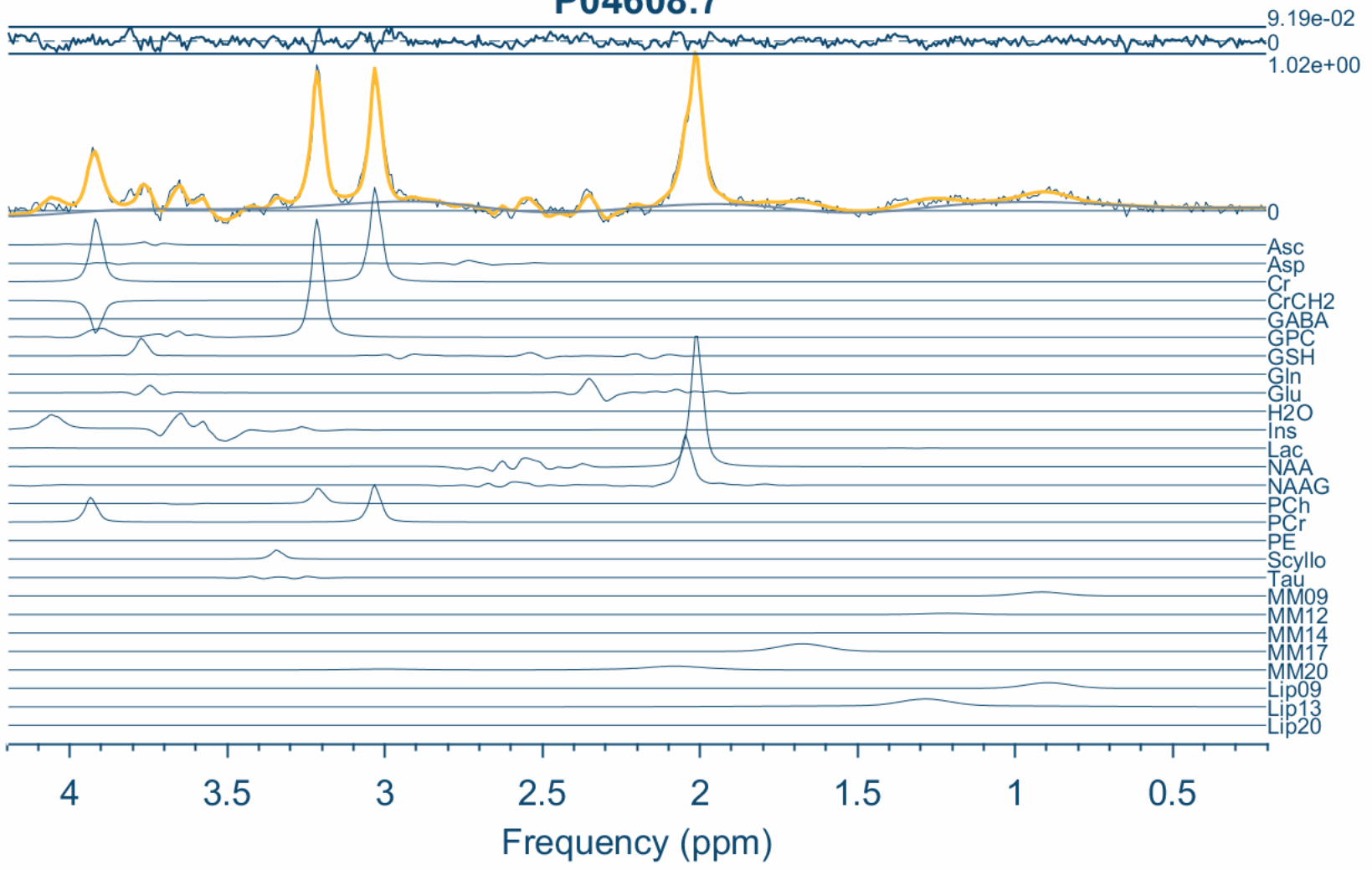
Metabolite Data -> Sequence: MEGA GE; Fitting algorithm: Osprey; Fitting Style: Separate; Selected subspecs: off
Fitting range: 0.2 to 4.2 ppm; Baseline knot spacing: 0.4 ppm; ph0: 0.41deg; ph1: -2.85deg; refShift: 1.26 Hz; refFWHM: 0.05

Save

PDF

Raw Water Ratio

| | |
|---|---|
| Asc: | 2.34e-05 |
| Asp: | 3.60e-05 |
| Cr: | 1.53e-04 |
| CrCH2: | 7.91e-05 |
| GABA: | 0.00e+00 |
| GPC: | 6.43e-05 |
| GSH: | 3.68e-05 |
| Gln: | 1.63e-06 |
| Glu: | 1.47e-04 |
| H2O: | 2.83e-08 |
| Ins: | 1.66e-04 |
| Lac: | 6.99e-06 |
| NAA: | 2.32e-04 |
| NAAG: | 8.44e-05 |
| PCh: | 8.28e-06 |
| PCr: | 6.07e-05 |
| PE: | 0.00e+00 |
| Scyllo: | 7.33e-06 |
| Tau: | 1.63e-05 |
| MM09: | 2.12e-05 |
| MM12: | 1.01e-05 |
| MM14: | 7.04e-07 |
| MM17: | 6.50e-05 |
| MM20: | 4.40e-05 |
| Lip09: | 3.02e-05 |
| Lip13: | 5.78e-05 |
| Lip20: | 0.00e+00 |




off | diff1 | ref

Osprey

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Load data

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Save MRSCont

Exit

MRS Container

\TEMP\mrs\P04608.7

Raw | Processed | LC model | Cor/Seg | Quantified | Overview

Actual file: C:\Users\greger.oradd\Documents\MRS\TEMP\mrs\P04608.7

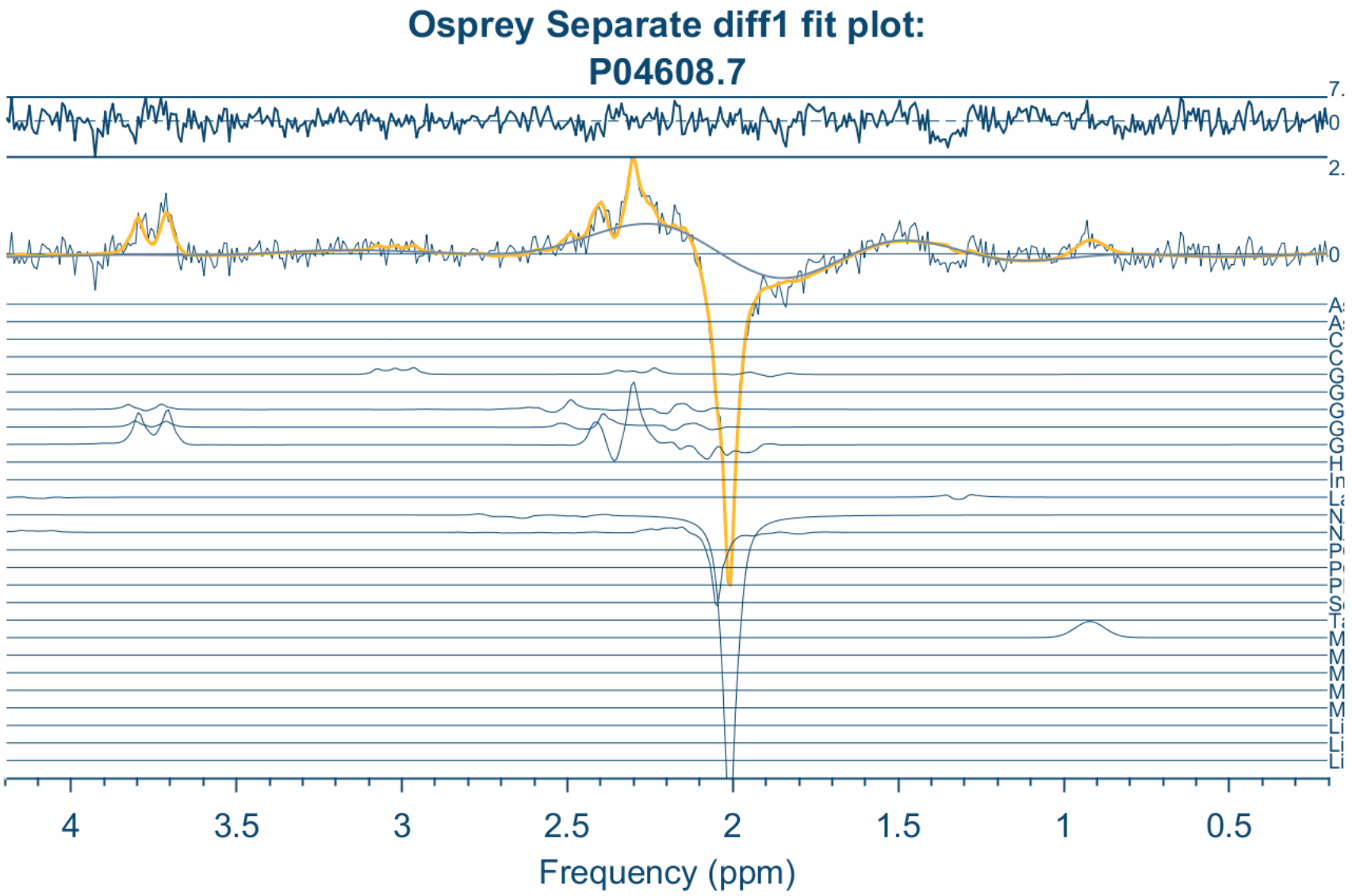
Metabolite Data -> Sequence: MEGA GE; Fitting algorithm: Osprey; Fitting Style: Separate; Selected subspecs: diff1
Fitting range: 0.2 to 4.2 ppm; Baseline knot spacing: 0.4 ppm; ph0: 5.65deg; ph1: -4.47deg; refShift: 1.26 Hz; refFWHM: 0.05

Save

PDF

Raw Water Ratio

| | |
|---|---|
| Asc: | 0.00e+00 |
| Asp: | 5.17e-07 |
| Cr: | 8.60e-06 |
| CrCH2: | 0.00e+00 |
| GABA: | 2.07e-05 |
| GPC: | 0.00e+00 |
| GSH: | 4.74e-05 |
| Gln: | 5.01e-05 |
| Glu: | 2.85e-04 |
| H2O: | 2.12e-12 |
| Ins: | 6.31e-09 |
| Lac: | 1.03e-05 |
| NAA: | 2.99e-04 |
| NAAG: | 5.68e-05 |
| PCh: | 0.00e+00 |
| PCr: | 3.85e-07 |
| PE: | 0.00e+00 |
| Scyllo: | 1.75e-07 |
| Tau: | 1.33e-07 |
| MM09: | 2.49e-05 |
| MM12: | 0.00e+00 |
| MM14: | 0.00e+00 |
| MM17: | 3.25e-22 |
| MM20: | 0.00e+00 |
| Lip09: | 0.00e+00 |
| Lip13: | 0.00e+00 |
| Lip20: | 0.00e+00 |




off | diff1 | ref

Osprey

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Load data

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MRS Container

\TEMP\mrs\P04608.7

Raw | Processed | LC model | Cor/Seg | Quantified | Overview

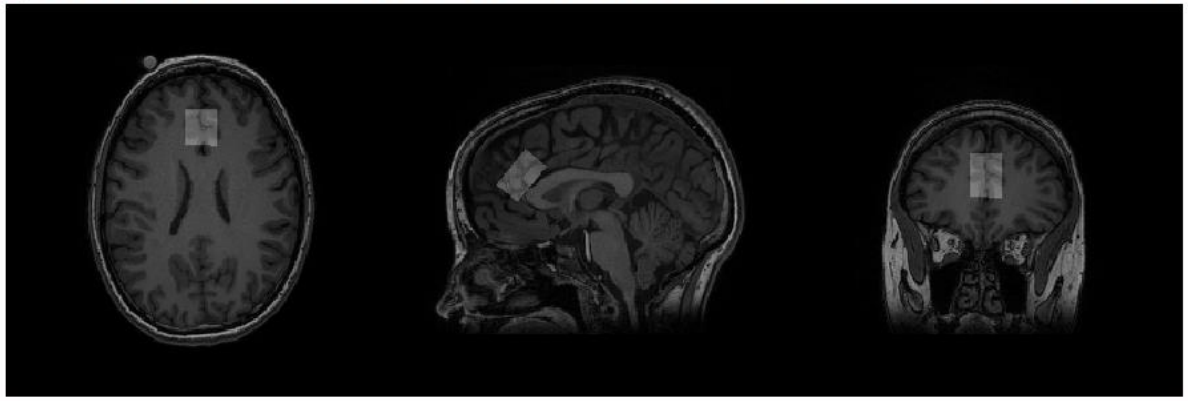
Actual file: C:\Users\greger.oradd\Documents\MRS\TEMP\mrs\P04608.7

Metabolite Data -> Sequence: MEGA GE; B0: 2.9998; TE / TR: 80 / 1800 ms ; spectral bandwidth: 4000 Hz
raw subspecs: 2; raw averages: 256; averages: 256; Sz: 2048 128 2; dimensions: 21 x 18 x 30 mm = 11.34 ml

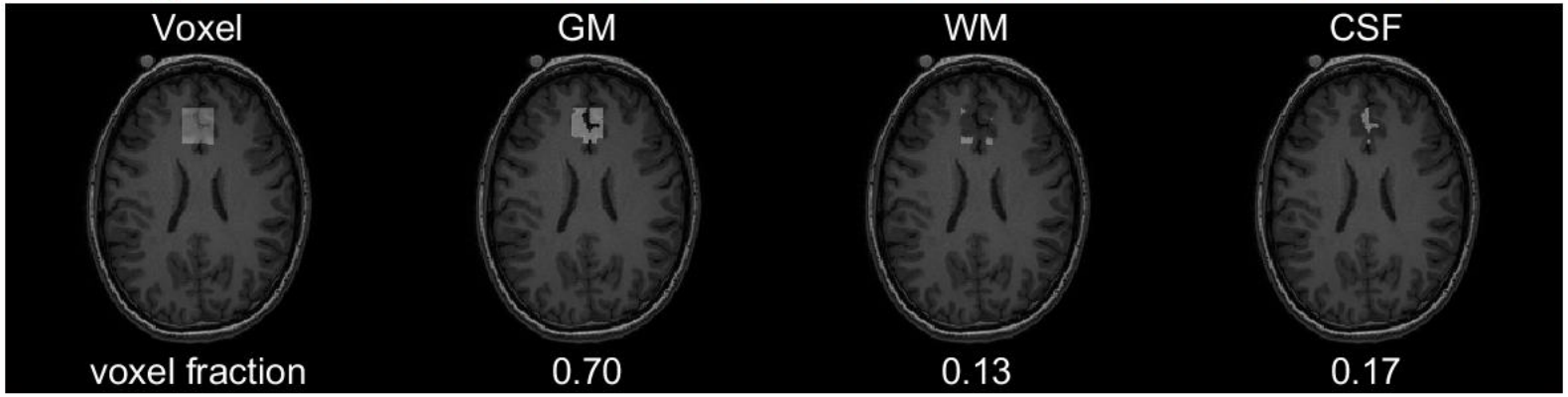
Save

PDF

## Coregistration: P04608.7 & s198110312389-0003-00001-000001-01.nii



## Segmentation: P04608.7 & s198110312389-0003-00001-000001-01.nii



Osprey

PubMed

GitHub

Load data

Process data

Model data

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MRS Container

\TEMP\mrs\P04608.7

Raw | Processed | LC model | Cor/Seg | Quantified | Overview

Actual file: C:\Users\greger.oradd\Documents\MRS\TEMP\mrs\P04608.7

Sequence: MEGA GE; Fitting algorithm: Osprey; Fitting Style: Separate
Selected subspecs: diff1

| Metabolite | tCr | rawWaterScaled | CSFWaterScaled | TissCorrWaterScaled | AlphaCorrWaterScaled | AlphaCorrWaterScaledGroupNormed |
|---|---|---|---|---|---|---|
| Asc | 0 | 0 | 0 | 0 | | |
| Asp | 0.002421 | 0.021462 | 0.025817 | 0.031448 | | |
| Cr | 0.040255 | 0.380774 | 0.458044 | 0.472761 | | |
| CrCH2 | 0 | 0 | 0 | 0 | | |
| GABA | 0.096907 | 0.889844 | 1.070421 | 1.659137 | 1.369484 | 1.259544 |
| GPC | 0 | 0 | 0 | 0 | | |
| GSH | 0.221918 | 1.967375 | 2.366617 | 3.004442 | | |
| Gln | 0.234301 | 2.076928 | 2.498402 | 2.83963 | | |
| Glu | 1.331503 | 11.384027 | 13.694203 | 16.847163 | | |
| H2O | 0 | 0 | 0 | 0 | | |
| Ins | 0.00003 | 0.000232 | 0.000279 | 0.000286 | | |
| Lac | 0.04817 | 0.427011 | 0.513665 | 0.60321 | | |
| NAA | 1.399591 | 13.823285 | 16.628462 | 13.118856 | | |
| NAAG | 0.265816 | 2.35618 | 2.834323 | 3.078032 | | |
| PCh | 0 | 0 | 0 | 0 | | |
| PCr | 0.0018 | 0.017026 | 0.020481 | 0.021139 | | |
| PE | 0 | 0 | 0 | 0 | | |
| Scyllo | 0.000816 | 0.007237 | 0.008706 | 0.00935 | | |
| Tau | 0.000622 | 0.00551 | 0.006628 | 0.008635 | | |
| MM09 | 0.116519 | 1.032806 | 1.242395 | 1.334308 | | |
| MM12 | 0 | 0 | 0 | 0 | | |
| MM14 | 0 | 0 | 0 | 0 | | |
| MM17 | 0 | 0 | 0 | 0 | | |
| MM20 | 0 | 0 | 0 | 0 | | |
| Lip09 | 0 | 0 | 0 | 0 | | |
| Lip13 | 0 | 0 | 0 | 0 | | |
| Lip20 | 0 | 0 | 0 | 0 | | |
| tNAA | 1.665407 | 14.761923 | 17.757579 | 19.071301 | | |
| Glx | 1.565805 | 13.879063 | 16.69556 | 17.930712 | | |
| tCho | 0 | 0 | 0 | 0 | | |
| tCr | 0.042055 | 0.372771 | 0.448418 | 0.481593 | | |

diff1 | off

Osprey

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MRS Container

\TEMP\mrs\P04608.7

Raw | Processed | LC model | Cor/Seg | Quantified | Overview

Actual file: C:\Users\greger.oradd\Documents\MRS\TEMP\mrs\P04608.7

Sequence: MEGA GE; Fitting algorithm: Osprey; Fitting Style: Separate
Selected subspecs: off

| Metabolite | tCr | rawWaterScaled | CSFWaterScaled | TissCorrWaterScaled |
|---|---|---|---|---|
| Asc | 0.109347 | 0.969279 | 1.165975 | 1.302887 |
| Asp | 0.168564 | 1.494311 | 1.797553 | 2.189638 |
| Cr | 0.716044 | 6.773041 | 8.147503 | 8.409281 |
| CrCH2 | 0.369904 | 3.278778 | 3.944145 | 4.235936 |
| GABA | 0 | 0 | 0 | 0 |
| GPC | 0.300866 | 2.508393 | 3.017425 | 2.817077 |
| GSH | 0.17209 | 1.525632 | 1.835231 | 2.329842 |
| Gln | 0.007648 | 0.067792 | 0.081549 | 0.092686 |
| Glu | 0.686434 | 5.868844 | 7.059817 | 8.685273 |
| H2O | 0.000132 | 0.001173 | 0.001411 | 0.001516 |
| Ins | 0.775963 | 6.089491 | 7.32524 | 7.516759 |
| Lac | 0.032702 | 0.289893 | 0.348722 | 0.409513 |
| NAA | 1.083209 | 10.698486 | 12.869544 | 10.153295 |
| NAAG | 0.395046 | 3.501671 | 4.21227 | 4.574462 |
| PCh | 0.038732 | 0.32292 | 0.388451 | 0.364148 |
| PCr | 0.283956 | 2.685937 | 3.230998 | 3.33481 |
| PE | 0 | 0 | 0 | 0 |
| Scyllo | 0.03431 | 0.304122 | 0.365837 | 0.392902 |
| Tau | 0.076161 | 0.675212 | 0.812234 | 1.058152 |
| MM09 | 0.099122 | 0.878603 | 1.0569 | 1.13509 |
| MM12 | 0.047321 | 0.419445 | 0.504563 | 0.541891 |
| MM14 | 0.003294 | 0.029198 | 0.035124 | 0.037722 |
| MM17 | 0.303962 | 2.694274 | 3.241026 | 3.4808 |
| MM20 | 0.205854 | 1.824661 | 2.194941 | 2.357325 |
| Lip09 | 0.141306 | 1.252512 | 1.506686 | 1.618152 |
| Lip13 | 0.270377 | 2.396585 | 2.882927 | 3.096208 |
| Lip20 | 0 | 0 | 0 | 0 |
| tNAA | 1.478255 | 13.103037 | 15.762053 | 16.928144 |
| Glx | 0.694082 | 6.152241 | 7.400724 | 7.948236 |
| tCho | 0.339598 | 3.010146 | 3.620999 | 3.888884 |
| tCr | 1 | 8.863854 | 10.662608 | 11.451437 |

diff1 | off

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Individual spectra or fit

diff1

Gand Mean

Save

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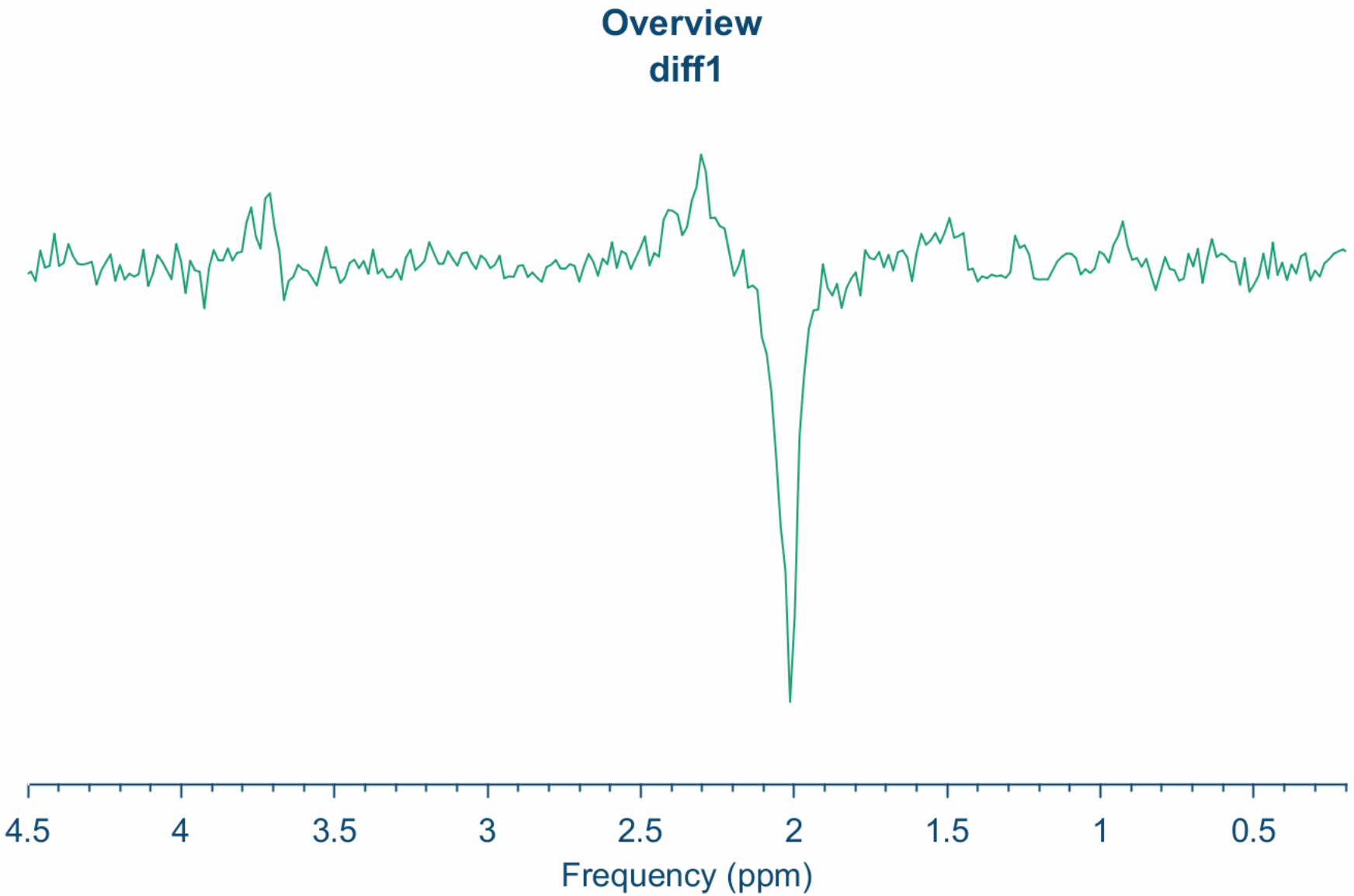


spectra | mean spectra | quantify table | distribution | correlation | dice overlap