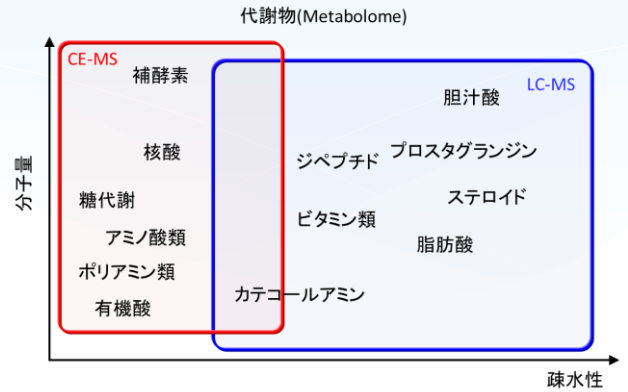


臨床的意義（測定意義）

メタボロミクスは、アミノ酸やビタミンなどの代謝物を網羅的に解析し、病気の進行、薬物投与による治療効果、副作用などを把握する技術です。KPSLおよびLSIMでは、従来の凡庸技術であるLC-MSに加え、高極性代謝物の解析に優れるCE-MSを組み合わせ、一度に200~400種類の代謝物を網羅的に分析します。



1300を超える標準データベース

約1300個の標準代謝物のMSデータを含む独自のデータベースを保有しており、迅速に照合結果を提供します。ヒトの代謝物は約2000種あると言われており、そのうちの約半分がライブラリーに登録されています。代謝物データベースの登録数は、順次増加しております。

マクロ機能を有するエクセルデータ

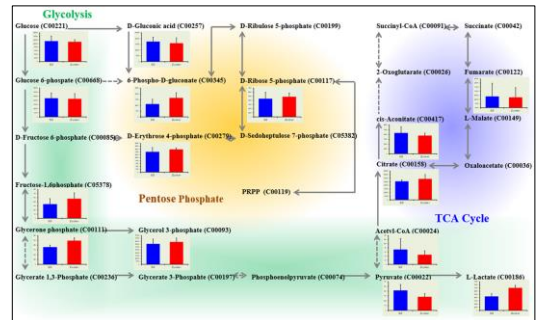
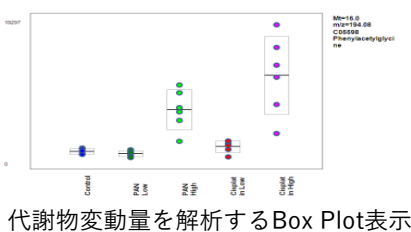
独自に開発したプログラム「Marker Analysis」による解析結果をマクロ機能を付与したエクセルデータとして提供致します。クリックするだけで様々な解析ツールがご利用できます。

ピーク検出位置 代謝物同定 代謝物カテゴリー グループ間のピーク測定法 エリア相対比

Retention Time	Peak Name	Category	Method	Relative Area
1.23	Glucose	Sugar	MS	0.15
1.45	Fructose	Sugar	MS	0.12
1.67	Sucrose	Sugar	MS	0.18
1.89	Lactose	Sugar	MS	0.10
2.11	Maltose	Sugar	MS	0.14
2.33	Melibiose	Sugar	MS	0.09
2.55	Galactose	Sugar	MS	0.11
2.77	Glucose-6-phosphate	Sugar	MS	0.13
2.99	Fructose-6-phosphate	Sugar	MS	0.16
3.21	Sucrose-6-phosphate	Sugar	MS	0.17
3.43	Lactose-6-phosphate	Sugar	MS	0.12
3.65	Maltose-6-phosphate	Sugar	MS	0.15
3.87	Melibiose-6-phosphate	Sugar	MS	0.10
4.09	Galactose-6-phosphate	Sugar	MS	0.11
4.31	Glucose-1,6-bisphosphate	Sugar	MS	0.13
4.53	Fructose-1,6-bisphosphate	Sugar	MS	0.16
4.75	Sucrose-1,6-bisphosphate	Sugar	MS	0.17
4.97	Lactose-1,6-bisphosphate	Sugar	MS	0.12
5.19	Maltose-1,6-bisphosphate	Sugar	MS	0.15
5.41	Melibiose-1,6-bisphosphate	Sugar	MS	0.10
5.63	Galactose-1,6-bisphosphate	Sugar	MS	0.11
5.85	Glucose-6-phosphate-1,3-bisphosphate	Sugar	MS	0.13
6.07	Fructose-6-phosphate-1,3-bisphosphate	Sugar	MS	0.16
6.29	Sucrose-6-phosphate-1,3-bisphosphate	Sugar	MS	0.17
6.51	Lactose-6-phosphate-1,3-bisphosphate	Sugar	MS	0.12
6.73	Maltose-6-phosphate-1,3-bisphosphate	Sugar	MS	0.15
6.95	Melibiose-6-phosphate-1,3-bisphosphate	Sugar	MS	0.10
7.17	Galactose-6-phosphate-1,3-bisphosphate	Sugar	MS	0.11
7.39	Glucose-1,3,6-trisphosphate	Sugar	MS	0.13
7.61	Fructose-1,3,6-trisphosphate	Sugar	MS	0.16
7.83	Sucrose-1,3,6-trisphosphate	Sugar	MS	0.17
8.05	Lactose-1,3,6-trisphosphate	Sugar	MS	0.12
8.27	Maltose-1,3,6-trisphosphate	Sugar	MS	0.15
8.49	Melibiose-1,3,6-trisphosphate	Sugar	MS	0.10
8.71	Galactose-1,3,6-trisphosphate	Sugar	MS	0.11
8.93	Glucose-1,3-bisphosphate	Sugar	MS	0.13
9.15	Fructose-1,3-bisphosphate	Sugar	MS	0.16
9.37	Sucrose-1,3-bisphosphate	Sugar	MS	0.17
9.59	Lactose-1,3-bisphosphate	Sugar	MS	0.12
9.81	Maltose-1,3-bisphosphate	Sugar	MS	0.15
10.03	Melibiose-1,3-bisphosphate	Sugar	MS	0.10
10.25	Galactose-1,3-bisphosphate	Sugar	MS	0.11
10.47	Glucose-6-phosphate-1,3,6-trisphosphate	Sugar	MS	0.13
10.69	Fructose-6-phosphate-1,3,6-trisphosphate	Sugar	MS	0.16
10.91	Sucrose-6-phosphate-1,3,6-trisphosphate	Sugar	MS	0.17
11.13	Lactose-6-phosphate-1,3,6-trisphosphate	Sugar	MS	0.12
11.35	Maltose-6-phosphate-1,3,6-trisphosphate	Sugar	MS	0.15
11.57	Melibiose-6-phosphate-1,3,6-trisphosphate	Sugar	MS	0.10
11.79	Galactose-6-phosphate-1,3,6-trisphosphate	Sugar	MS	0.11
12.01	Glucose-1,6-bisphosphate-3-phosphoglycerate	Sugar	MS	0.13
12.23	Fructose-1,6-bisphosphate-3-phosphoglycerate	Sugar	MS	0.16
12.45	Sucrose-1,6-bisphosphate-3-phosphoglycerate	Sugar	MS	0.17
12.67	Lactose-1,6-bisphosphate-3-phosphoglycerate	Sugar	MS	0.12
12.89	Maltose-1,6-bisphosphate-3-phosphoglycerate	Sugar	MS	0.15
13.11	Melibiose-1,6-bisphosphate-3-phosphoglycerate	Sugar	MS	0.10
13.33	Galactose-1,6-bisphosphate-3-phosphoglycerate	Sugar	MS	0.11
13.55	Glucose-1,3-bisphosphate-3-phosphoglycerate	Sugar	MS	0.13
13.77	Fructose-1,3-bisphosphate-3-phosphoglycerate	Sugar	MS	0.16
13.99	Sucrose-1,3-bisphosphate-3-phosphoglycerate	Sugar	MS	0.17
14.21	Lactose-1,3-bisphosphate-3-phosphoglycerate	Sugar	MS	0.12
14.43	Maltose-1,3-bisphosphate-3-phosphoglycerate	Sugar	MS	0.15
14.65	Melibiose-1,3-bisphosphate-3-phosphoglycerate	Sugar	MS	0.10
14.87	Galactose-1,3-bisphosphate-3-phosphoglycerate	Sugar	MS	0.11
15.09	Glucose-1,3,6-trisphosphate-3-phosphoglycerate	Sugar	MS	0.13
15.31	Fructose-1,3,6-trisphosphate-3-phosphoglycerate	Sugar	MS	0.16
15.53	Sucrose-1,3,6-trisphosphate-3-phosphoglycerate	Sugar	MS	0.17
15.75	Lactose-1,3,6-trisphosphate-3-phosphoglycerate	Sugar	MS	0.12
15.97	Maltose-1,3,6-trisphosphate-3-phosphoglycerate	Sugar	MS	0.15
16.19	Melibiose-1,3,6-trisphosphate-3-phosphoglycerate	Sugar	MS	0.10
16.41	Galactose-1,3,6-trisphosphate-3-phosphoglycerate	Sugar	MS	0.11
16.63	Glucose-6-phosphate-1,3,6-trisphosphate-3-phosphoglycerate	Sugar	MS	0.13
16.85	Fructose-6-phosphate-1,3,6-trisphosphate-3-phosphoglycerate	Sugar	MS	0.16
17.07	Sucrose-6-phosphate-1,3,6-trisphosphate-3-phosphoglycerate	Sugar	MS	0.17
17.29	Lactose-6-phosphate-1,3,6-trisphosphate-3-phosphoglycerate	Sugar	MS	0.12
17.51	Maltose-6-phosphate-1,3,6-trisphosphate-3-phosphoglycerate	Sugar	MS	0.15
17.73	Melibiose-6-phosphate-1,3,6-trisphosphate-3-phosphoglycerate	Sugar	MS	0.10
17.95	Galactose-6-phosphate-1,3,6-trisphosphate-3-phosphoglycerate	Sugar	MS	0.11
18.17	Glucose-1,6-bisphosphate-3-phosphoglycerate-6-phosphogluconate	Sugar	MS	0.13
18.39	Fructose-1,6-bisphosphate-3-phosphoglycerate-6-phosphogluconate	Sugar	MS	0.16
18.61	Sucrose-1,6-bisphosphate-3-phosphoglycerate-6-phosphogluconate	Sugar	MS	0.17
18.83	Lactose-1,6-bisphosphate-3-phosphoglycerate-6-phosphogluconate	Sugar	MS	0.12
19.05	Maltose-1,6-bisphosphate-3-phosphoglycerate-6-phosphogluconate	Sugar	MS	0.15
19.27	Melibiose-1,6-bisphosphate-3-phosphoglycerate-6-phosphogluconate	Sugar	MS	0.10
19.49	Galactose-1,6-bisphosphate-3-phosphoglycerate-6-phosphogluconate	Sugar	MS	0.11
19.71	Glucose-1,3-bisphosphate-3-phosphoglycerate-6-phosphogluconate	Sugar	MS	0.13
19.93	Fructose-1,3-bisphosphate-3-phosphoglycerate-6-phosphogluconate	Sugar	MS	0.16
20.15	Sucrose-1,3-bisphosphate-3-phosphoglycerate-6-phosphogluconate	Sugar	MS	0.17
20.37	Lactose-1,3-bisphosphate-3-phosphoglycerate-6-phosphogluconate	Sugar	MS	0.12
20.59	Maltose-1,3-bisphosphate-3-phosphoglycerate-6-phosphogluconate	Sugar	MS	0.15
20.81	Melibiose-1,3-bisphosphate-3-phosphoglycerate-6-phosphogluconate	Sugar	MS	0.10
21.03	Galactose-1,3-bisphosphate-3-phosphoglycerate-6-phosphogluconate	Sugar	MS	0.11
21.25	Glucose-6-phosphate-1,3,6-trisphosphate-3-phosphoglycerate-6-phosphogluconate	Sugar	MS	0.13
21.47	Fructose-6-phosphate-1,3,6-trisphosphate-3-phosphoglycerate-6-phosphogluconate	Sugar	MS	0.16
21.69	Sucrose-6-phosphate-1,3,6-trisphosphate-3-phosphoglycerate-6-phosphogluconate	Sugar	MS	0.17
21.91	Lactose-6-phosphate-1,3,6-trisphosphate-3-phosphoglycerate-6-phosphogluconate	Sugar	MS	0.12
22.13	Maltose-6-phosphate-1,3,6-trisphosphate-3-phosphoglycerate-6-phosphogluconate	Sugar	MS	0.15
22.35	Melibiose-6-phosphate-1,3,6-trisphosphate-3-phosphoglycerate-6-phosphogluconate	Sugar	MS	0.10
22.57	Galactose-6-phosphate-1,3,6-trisphosphate-3-phosphoglycerate-6-phosphogluconate	Sugar	MS	0.11

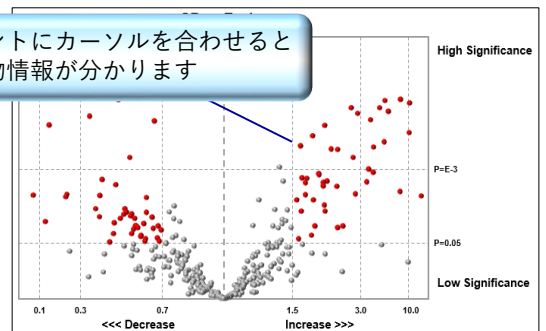
自動処理された測定データが一つのExcelファイルとして集約されます

代謝物名をダブルクリックするとBoxPlotが表示されます



酵素反応の変動を把握できる代謝パスウェイ解析 (例: Glycolysis、TCA cycle)

ポイントにカーソルを合わせると代謝物情報が分かります



マーカー探索に有効なDifferential Map

お問い合わせ



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