



biotechne®

COMPASS FOR SIMPLE WESTERN 6.0.0

升级您的数字化 WESTERN 结果

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PROTEIN SIMPLE -- 创新蛋白质分析技术专家



Wes/Jess/Abby/Peggy Sue
全自动 Western



Milo
单细胞 Western



Ella
微流控全自动 ELISA



FluorChem
多功能成像

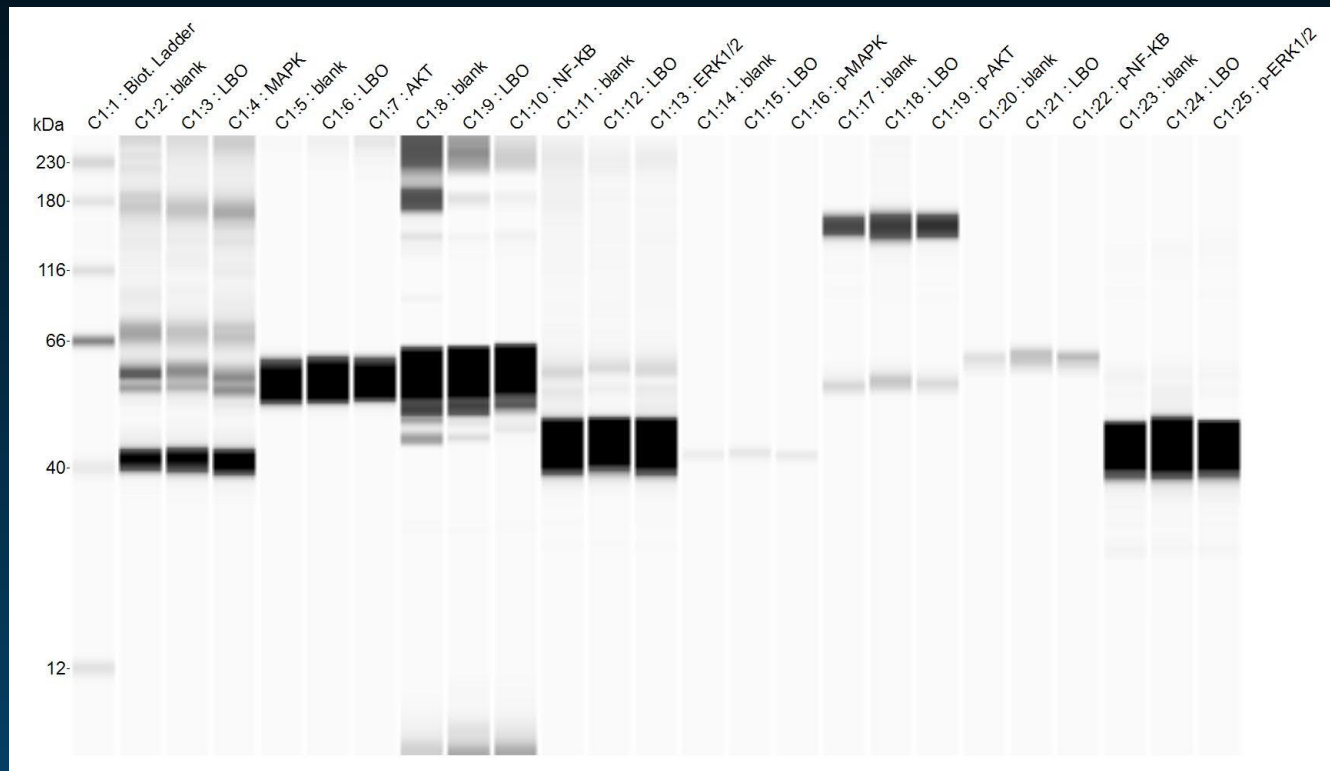


MFI
微流成像颗粒计数分类仪



Maurice
CE-SDS + icIEF 双功能 CE

“风华绝代” 一等奖

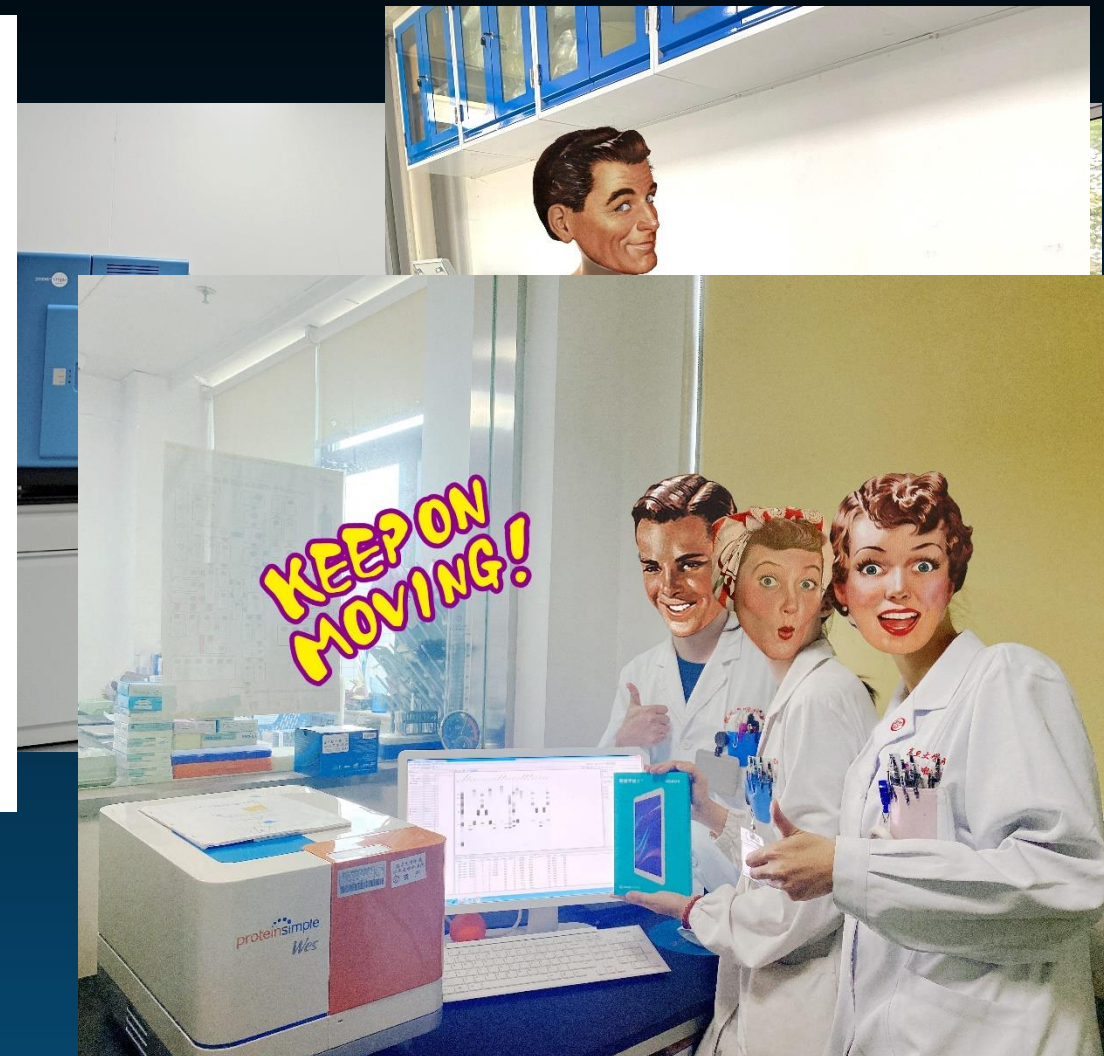
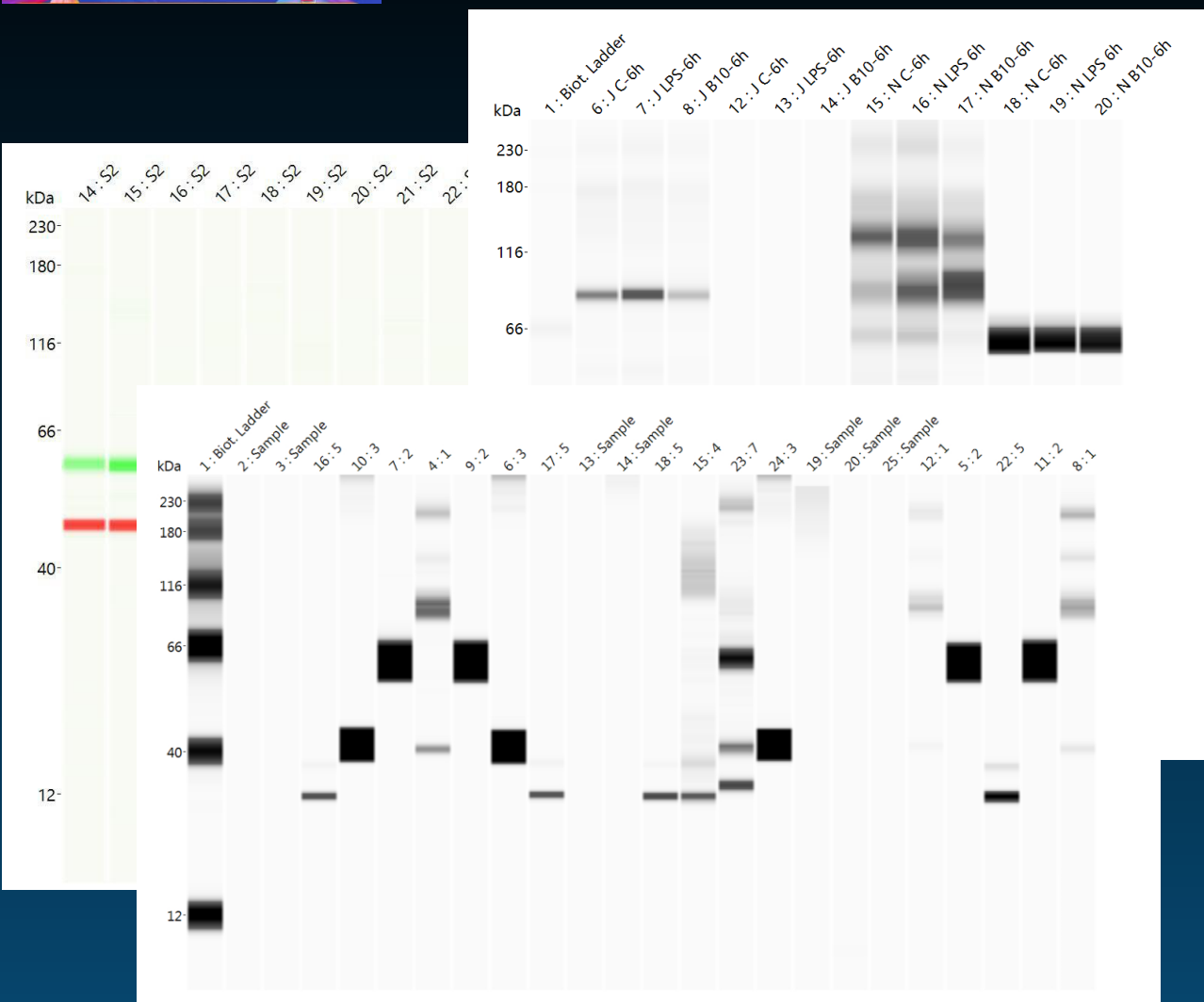


江苏大学-余老师

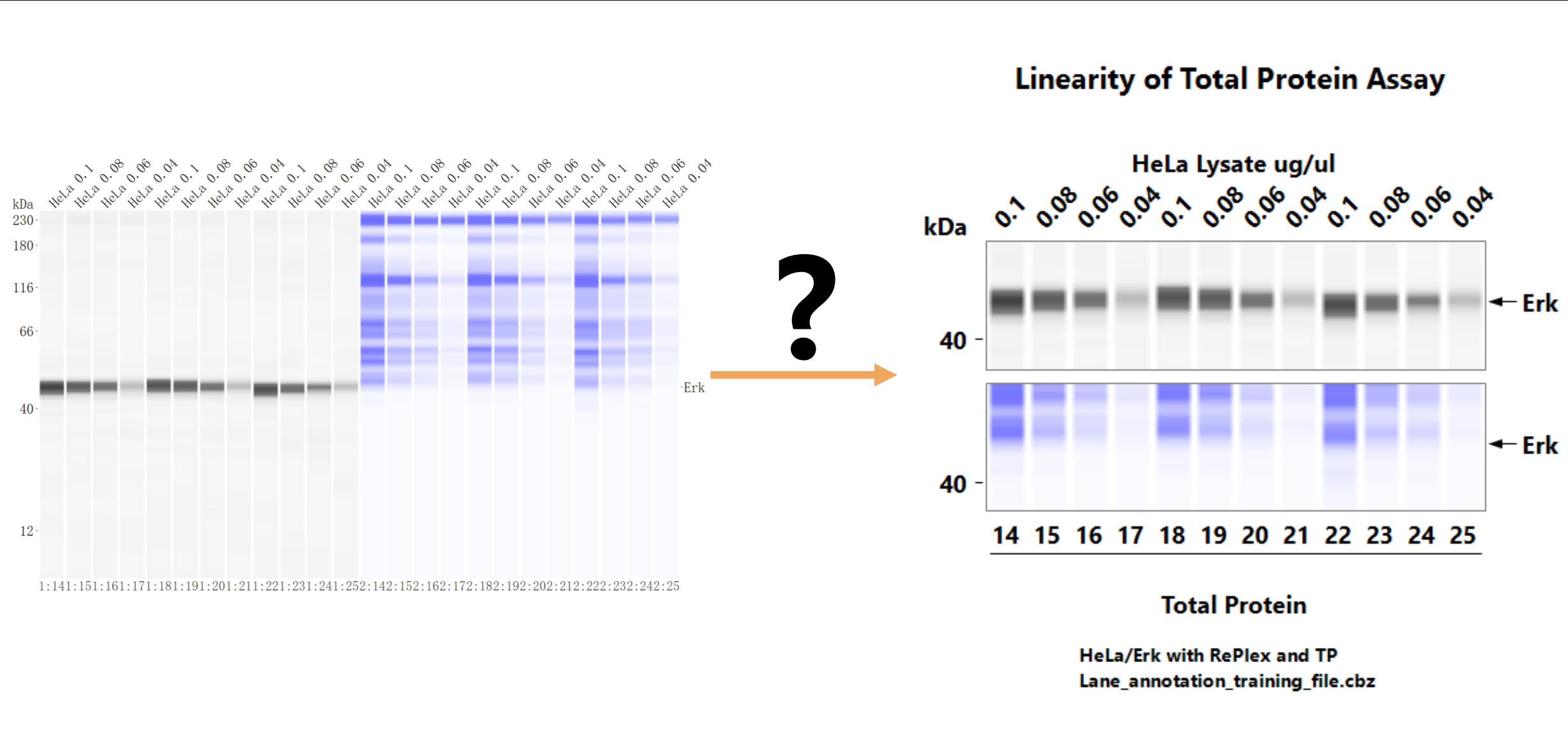
样品类型：大鼠鼻粘膜间充质干细胞

研究方向：组织工程—脊髓损伤修复的干细胞治疗





能否直接注释结果？



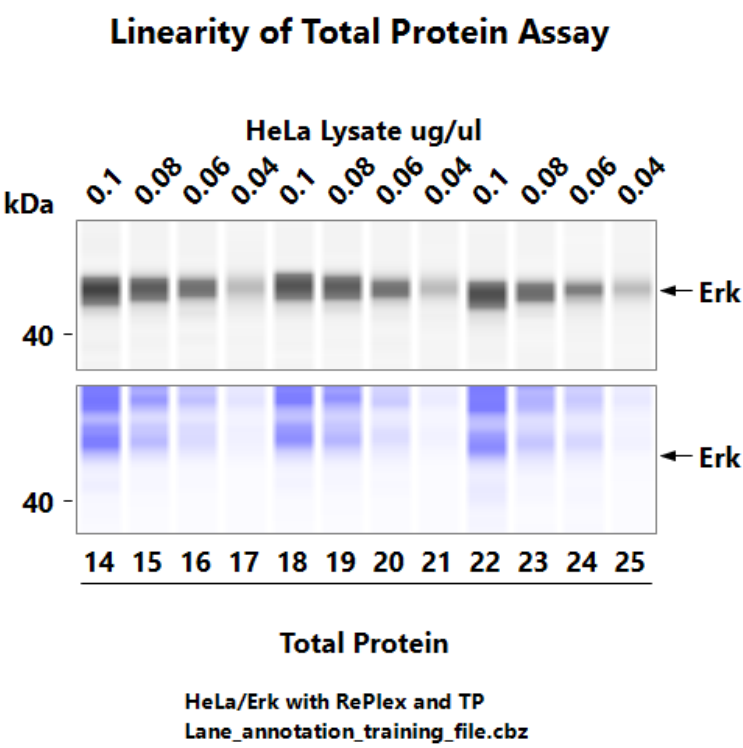
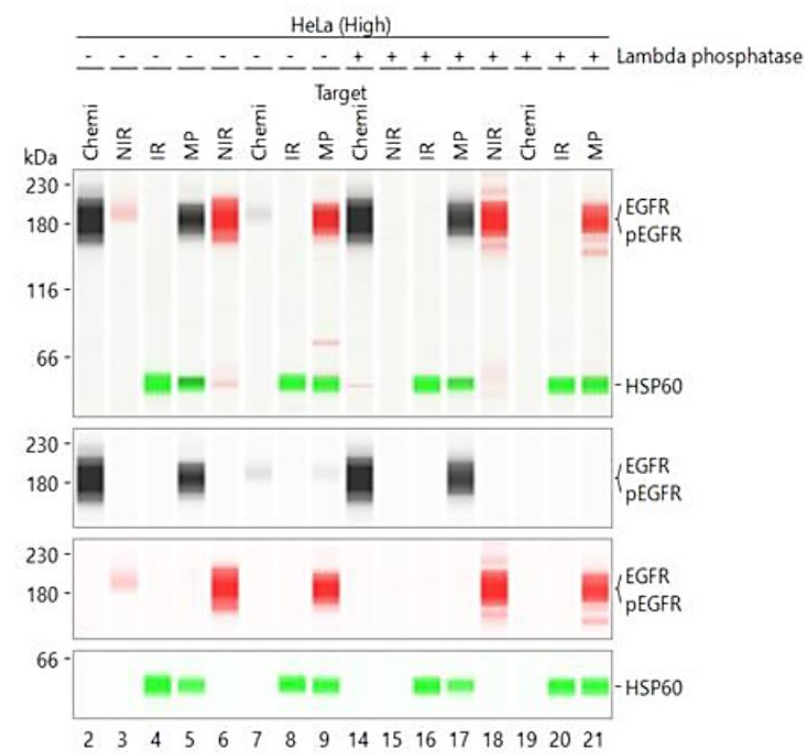
COMPASS 6.0.0 版本

适用于 WES/JESS/ABBY



COMPASS (V.6.0.0) 主要更新

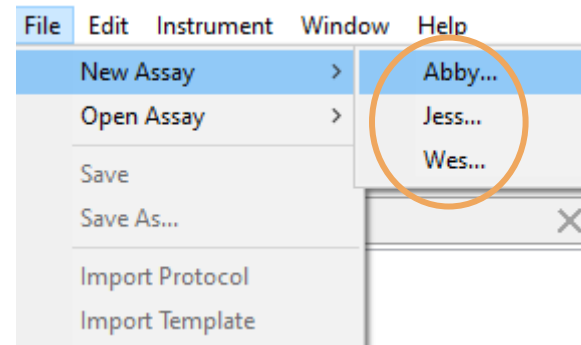
- 添加了Lane 结果注释



COMPASS (V.6.0.0) 主要更新

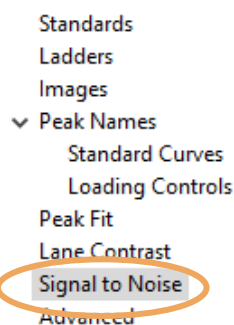
• 添加了Lane 结果注释

- “New Assay” 仅适用于 (Abby/Jess/Wes)



- 采用了新的信噪比 (S/N) 分析方法

Analysis: Abby test 3 LAS(1)_KH2



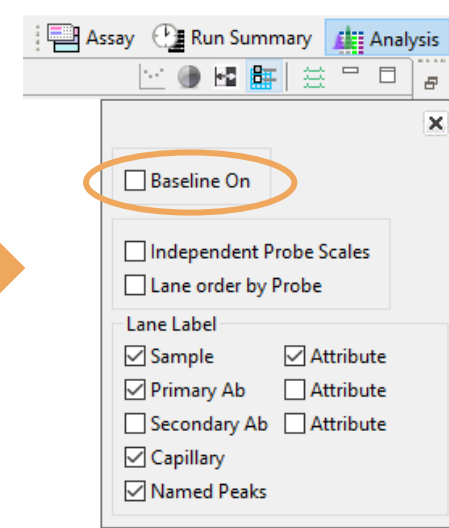
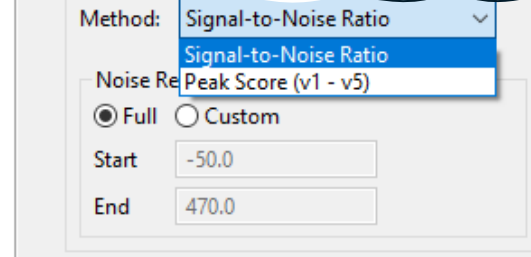
- 在 Graph 界面进行的编辑已可以保存, 不用每次打开再重新编辑

- 基线校正的选项移动到 Lane 界面的 Graph Options内

- 支持多种格式保存结果 (TIF/JPG/PNG)

The screenshot shows the 'Peaks' table with columns: Sample, Primary, Cap, Peak, Name, Width, S/N, and Baseline. The S/N column is circled in orange.

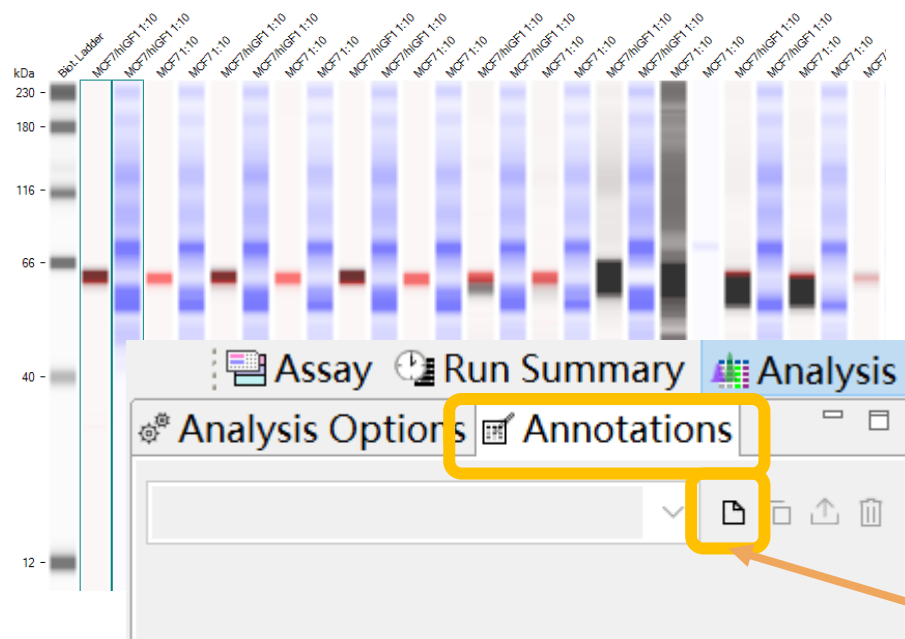
Sample	Primary	Cap	Peak	Name	Width	S/N	Baseline
O1	IL6r	P1:11	7	IL6r	37.0	175.0	3696.4
O1	Beta A...	P2:11	1	Beta a...	38.0	3616.7	555.8



*兼容模式- Compass 6.0 版本能打开以前Jess/Wes的文件

LANE 注释

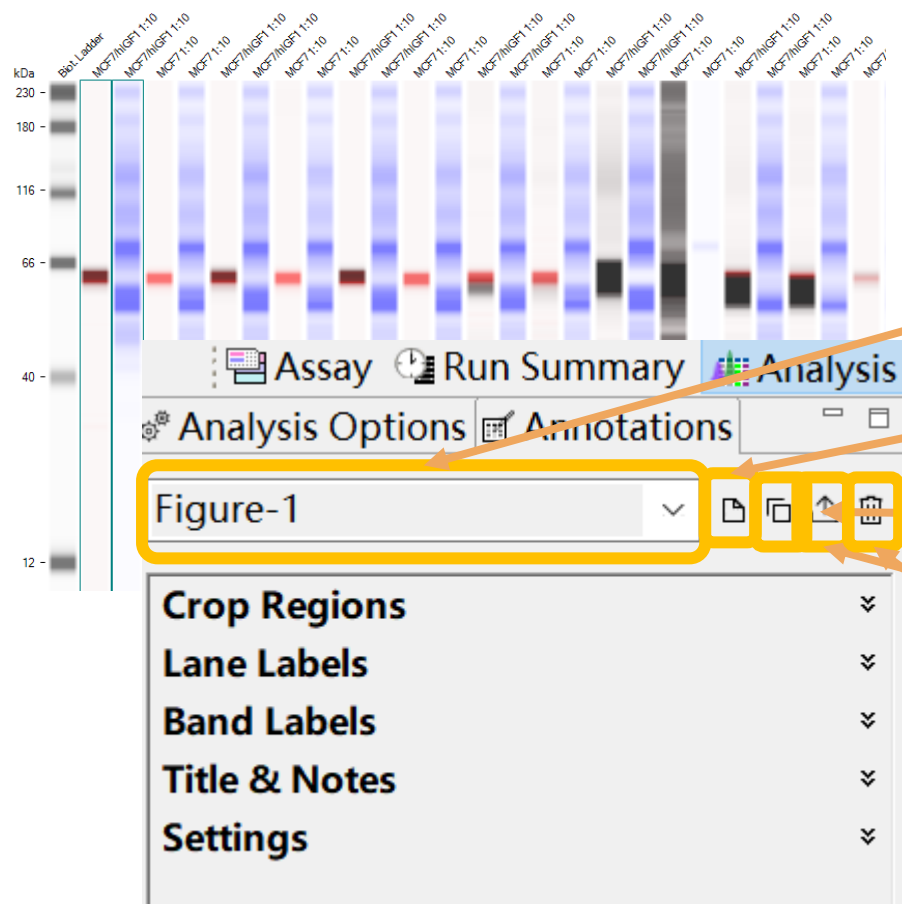
只需在 COMPASS 内即可进行注释



新建注释

LANE 注释

只需在 COMPASS 内即可进行注释



注释结果名，单击可更改

新建注释

复制注释

导出注释结果 (TIF/PNG/JPG)

删除该注释结果

LANE 注释 – CROP

只需在 COMPASS 内即可进行注释

Analysis Options Annotations

Figure-1

Crop Regions

Lane Labels

Band Labels

Title & Notes

Settings

Crop Regions

Caps 3,7,11,2,6

MW Range 39-213

可以自定义分子量范围

Channel Contrast CHEMI P1, CHEMI P2

自定义通道

Custom Contrast

☒ Custom Contrast

CHEMI P1 < >

CHEMI P2 < >

自定义对比度

Re-crop

LANE 注释 – LANE LABELS

只需在 COMPASS 内即可进行注释

Crop Regions

Lane Labels

Group

SampleGroup

Link to

Sample

Style

Sample

Sample Attribute

Primary

Primary Attribute

Secondary

Secondary Attribute

Probe:Capillary

None

1

2

3

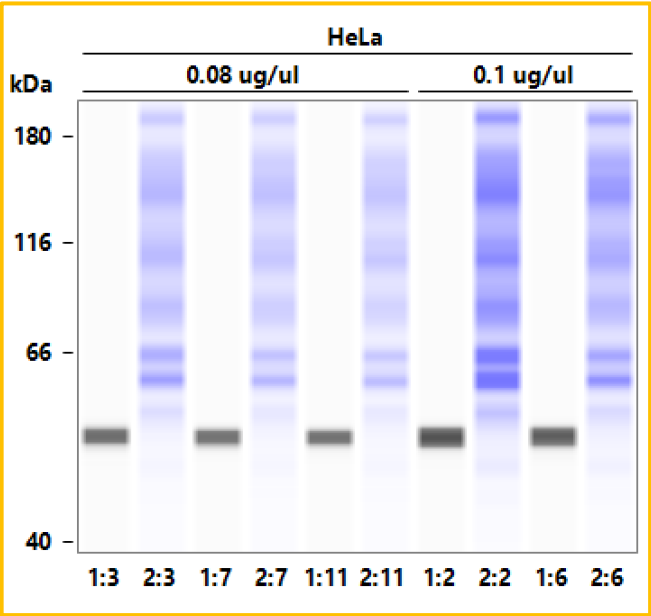
4

5

HeLa

HeLa

Lane 标签可使用 Assay 界面实验设计，也可以自己重新编辑



Crop Regions

Lane Labels

Group

SampleGroup

Link to

Sample

Style

≡

↑

...

A

↻

Lane Label

1 HeLa

2 HeLa

3 HeLa

4 HeLa

5 HeLa

6 HeLa

7 HeLa

8 HeLa

9 HeLa

10 HeLa

自定义标签位置，分组，旋转角度等

合并标签

标签位置

下划线/上划线

Style

≡

↑

...

A

↻

旋转标签

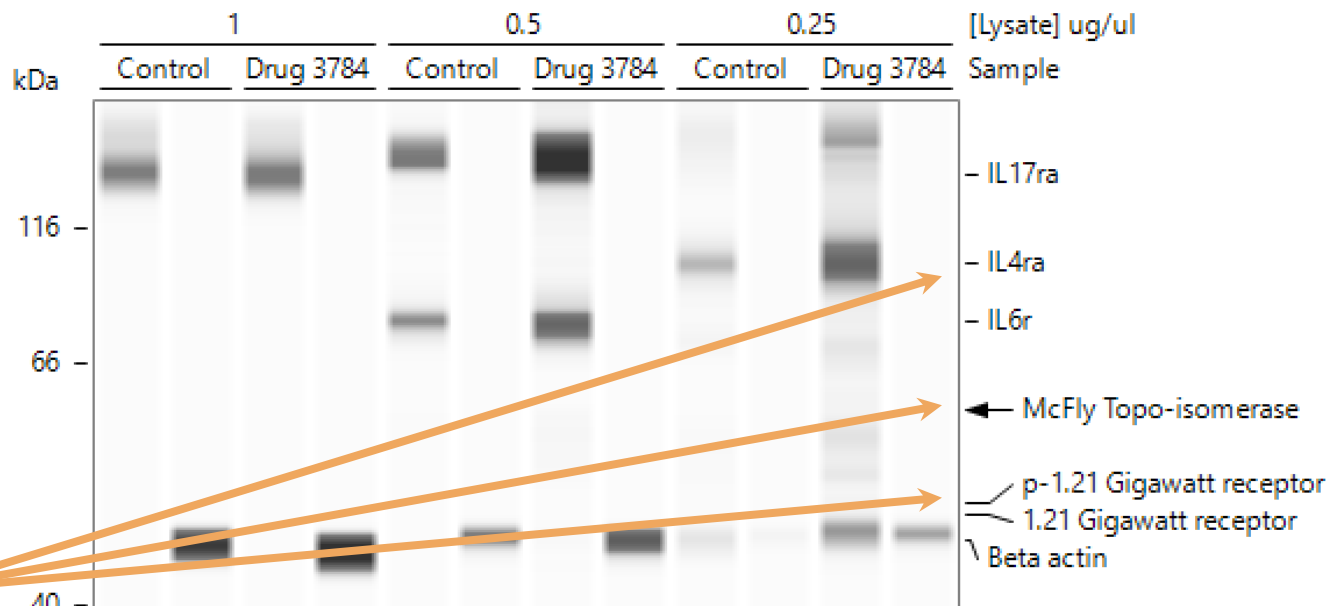
标签换行

分组标签位置

只需在 COMPASS 内即可进行注释

条带标签可使用已命名的目的峰也可以重新编辑

自定义条带位置和展示形式



LANE 注释

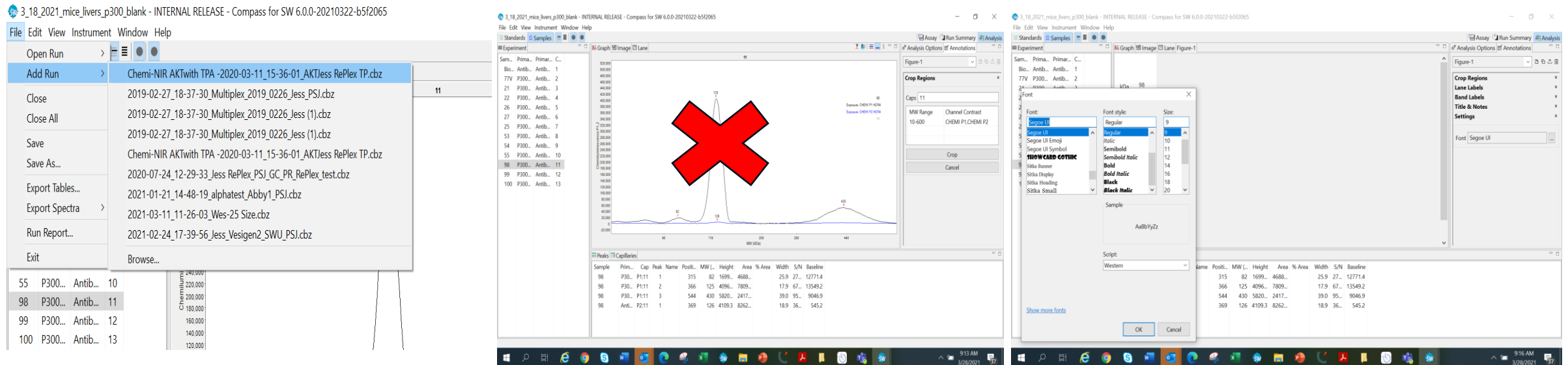
只需在 COMPASS 内即可进行注释



LANE 注释功能目前的局限

只需在 COMPASS 内即可进行注释

- **Add Run** – 同时打开多个运行文件结果不能使用 Lane 注释功能
- **Access Control** – 受管控的运行文件不能使用 Lane 注释功能
- **Graph view** – 不能注释电泳图，只能注释泳道图
- **Fonts** – Lane 工具暂不支持所有类型的字体



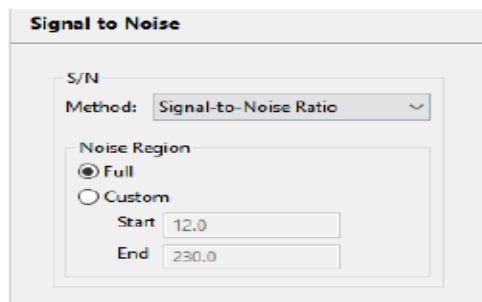
信噪比算法更新

Signal-to-Noise Ratio

信噪比的计算遵循USP/NF(美国药典/国家处方)法规。这是在Simple Western 的 Compass 6.0及更高版本的中生成的运行数据的默认选择。

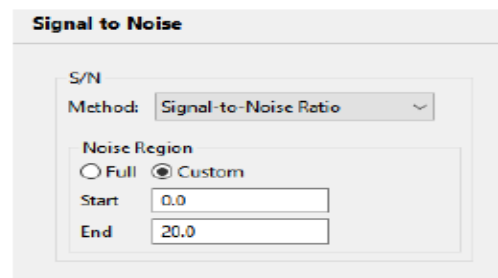
择此选项时，可以通过设置以下参数来选择用于识别最佳噪声采样的数据区域：

- **Full** — 为噪声区域选择沿x轴(kDa)的整个数据范围。使用的默认范围将是运行数据的大小范围:2-40、12-230或66-440 kDa。



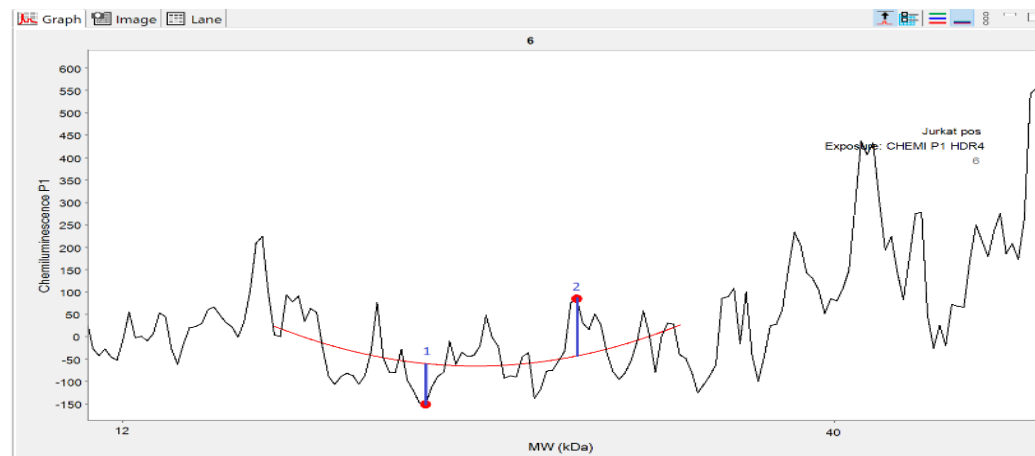
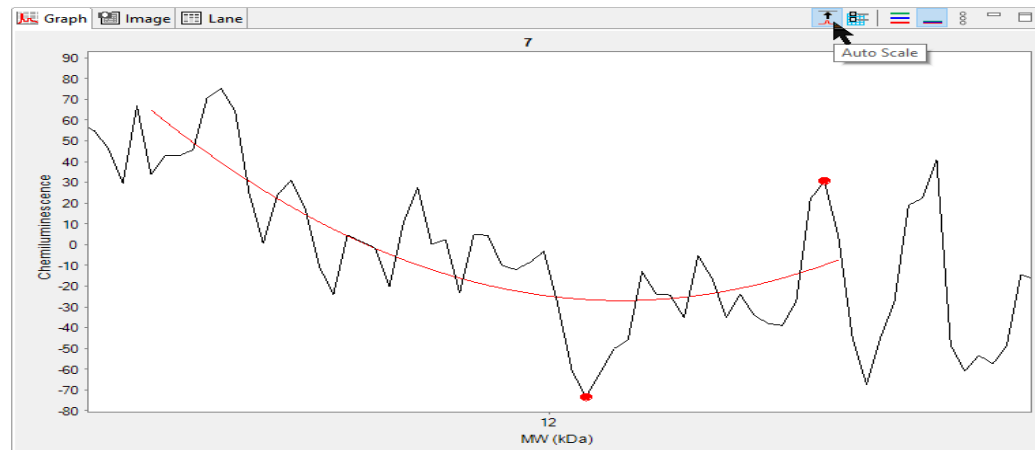
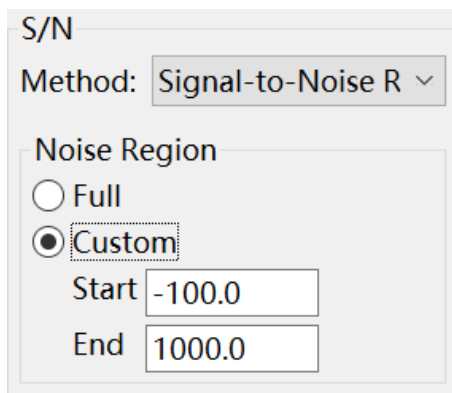
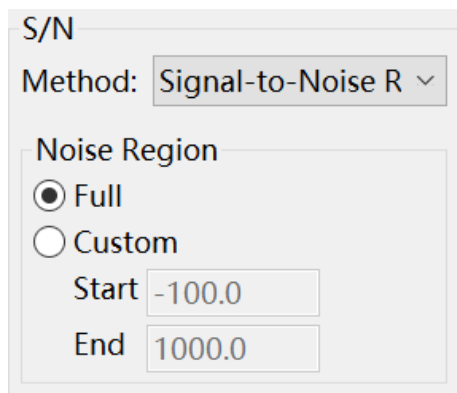
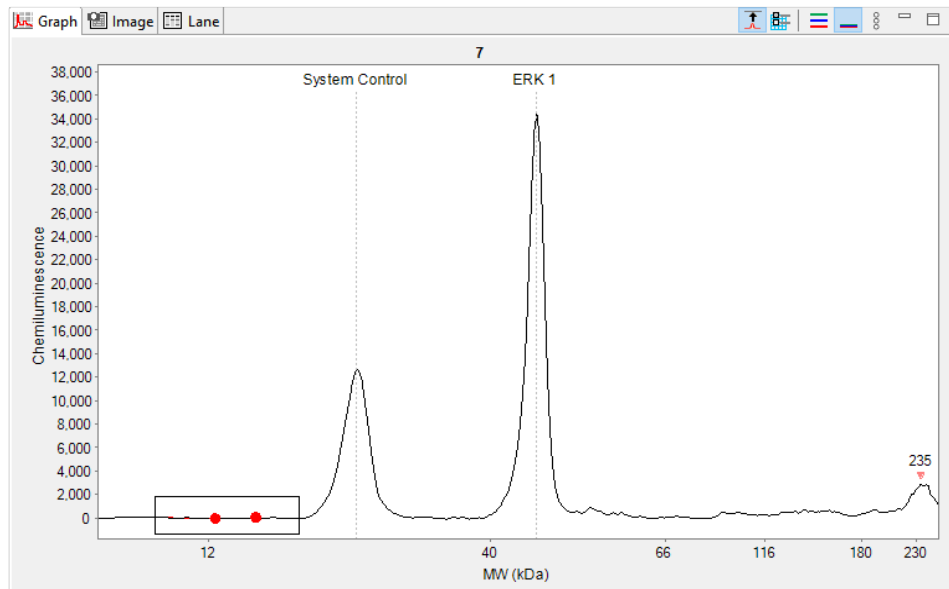
The screenshot shows the 'Signal to Noise' dialog box. The 'S/N' section has 'Method' set to 'Signal-to-Noise Ratio'. In the 'Noise Region' section, the 'Full' radio button is selected. The 'Start' and 'End' fields are present but empty, indicating the default range.

- **Custom** — 允许您沿着x轴(以kDa为单位)设置数据范围，以缩小用于从信号到噪声计算的搜索区域。要使用此选项，请输入Start 和 End 值。



The screenshot shows the 'Signal to Noise' dialog box. The 'S/N' section has 'Method' set to 'Signal-to-Noise Ratio'. In the 'Noise Region' section, the 'Custom' radio button is selected. The 'Start' field is set to '0.0' and the 'End' field is set to '20.0'.

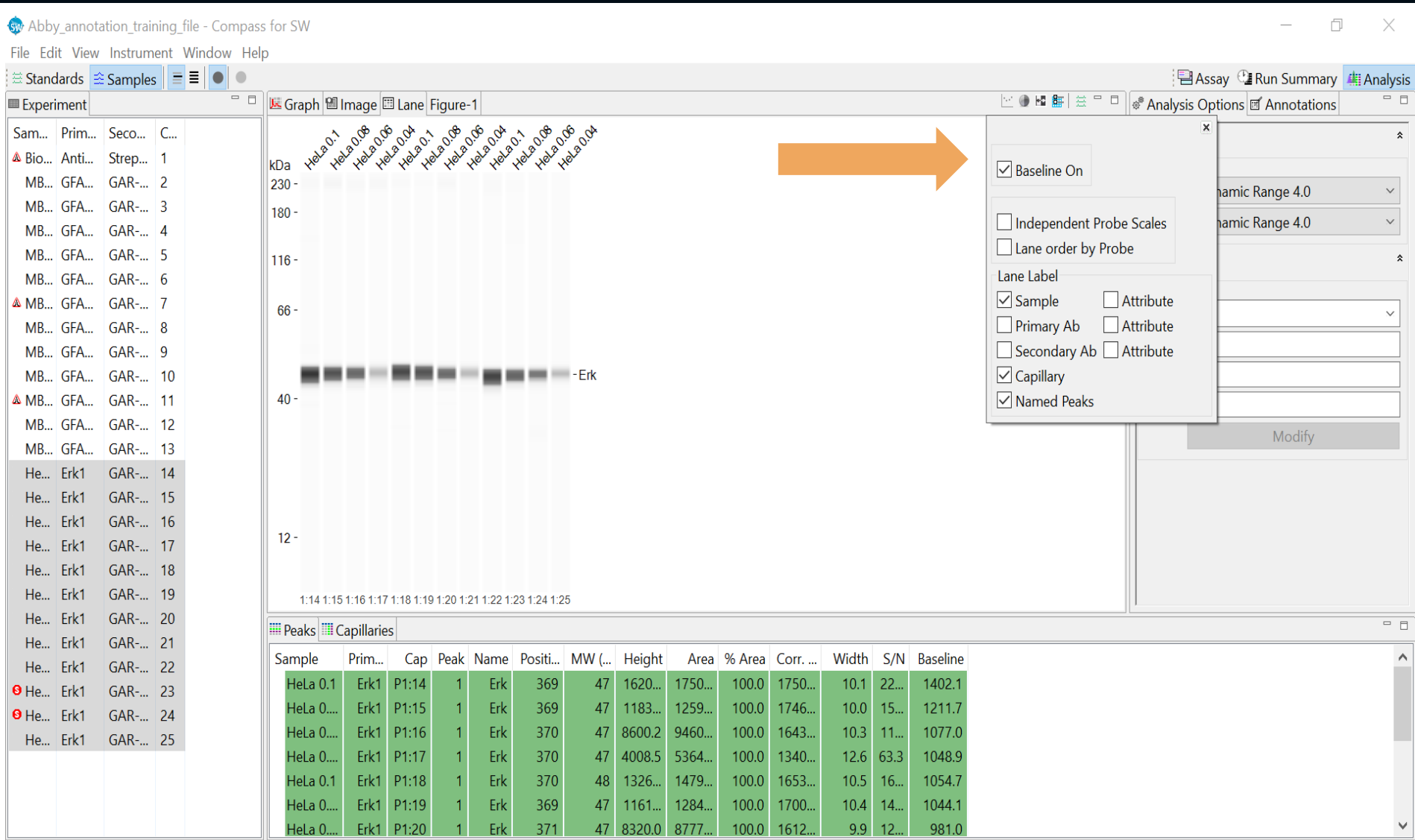
现在信噪比是怎么计算的



$h = \text{蓝线 1 长度} + \text{蓝线 2 长度}$

$S/N = 2.0 * \text{峰高} / h$

基线校正默认打开



公众号报修流程



PROTEINSIMPLE

SIMPLE YOUR PROTEIN ANALYSIS



4000-863-973



FluorChem
• **Simple** Imaging



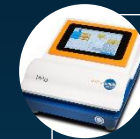
Ella
• **Simple** ELISA



MFI
• **Simple** Particle Analysis



Jess/Wes/Abby
• **Simple** Western



Milo
• **Simple** Sc-Western



Maurice
• **Simple** icIEF + CE-SDS