

Precision  
Biomarker  
Laboratories



## SKYLINE USER GROUP MEETING

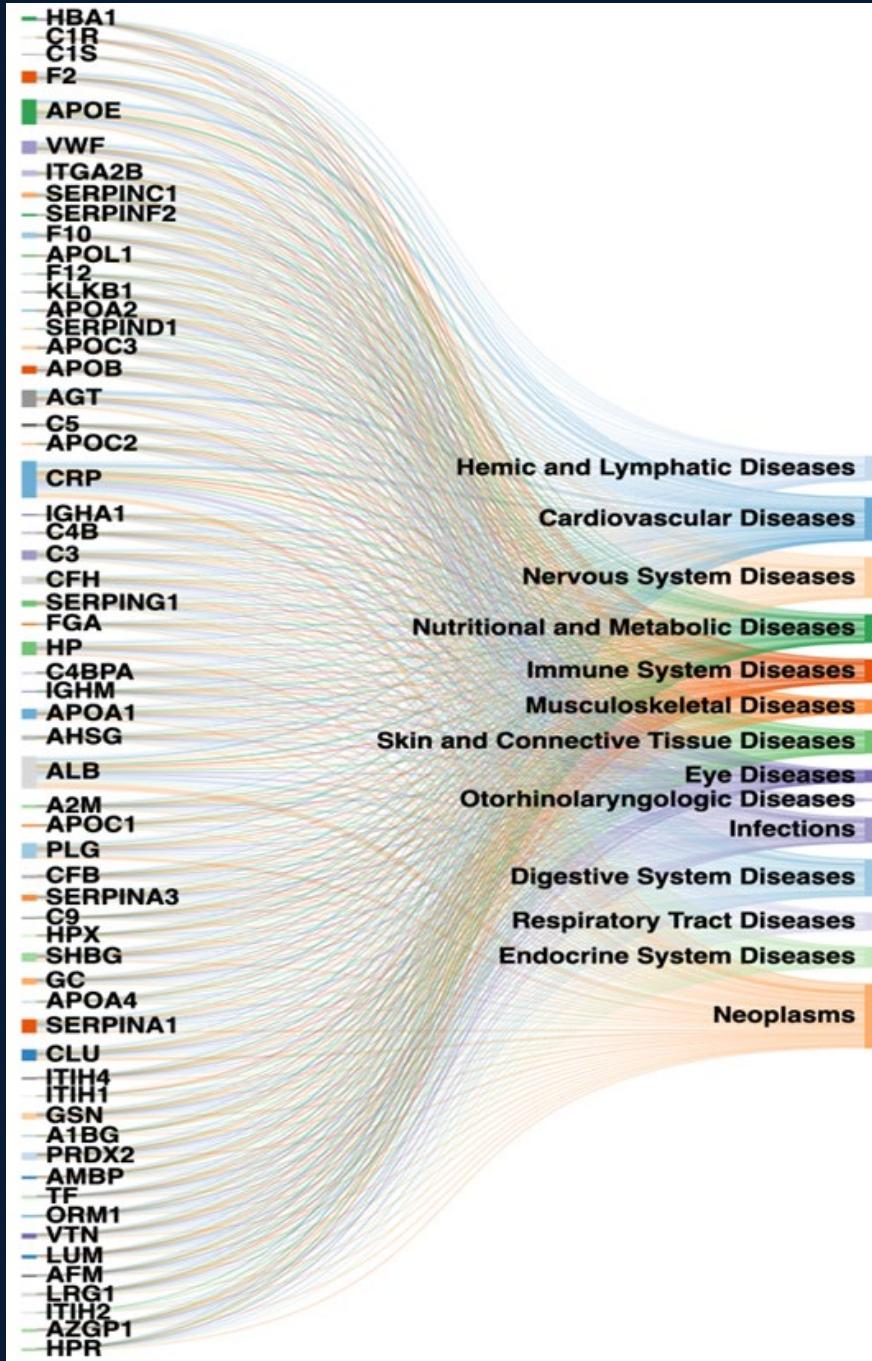


# Comparative Analysis of Skyline and SmartPeak Performance in Quantifying a 60-Biomarker Panel in Plasma from Inflammatory Bowel Disease Patients

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Biomedical Scientist  
PBL



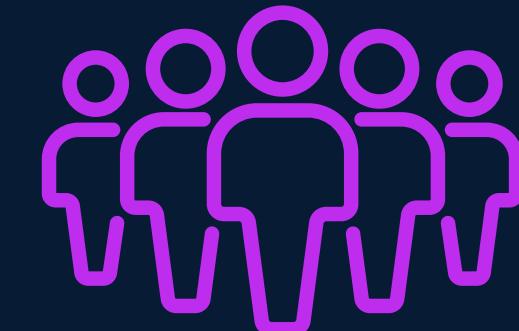
# PBL Health Surveillance Panel (HSP)



- Off-the-shelf 60 biomarker targeted MRM assay
- 31 biomarkers on FDA approved list
- 111 monitoring peptides, 2 transitions per peptide
- Holistic view of health and wellness
- Insights for more than 14 disease states
- Measures inflammation, immunity, multiple organ function, or health status after surgery



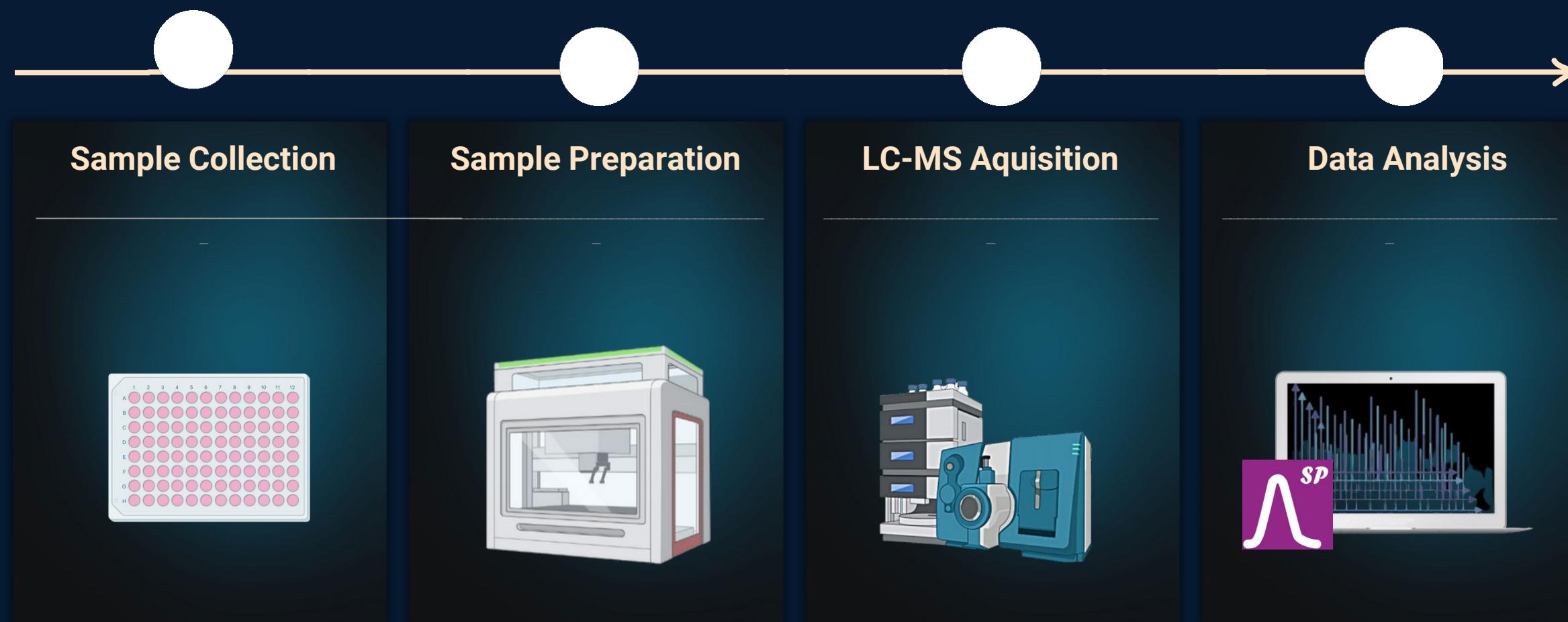
42 Healthy Controls



42 IBD Cases

# Plasma Proteomics Automated Workflow

ProteoMarker™



ProEpic™

Proteomics Analysis Platform



# Skyline vs SmartPeak: Battle for Superior Peak Detection

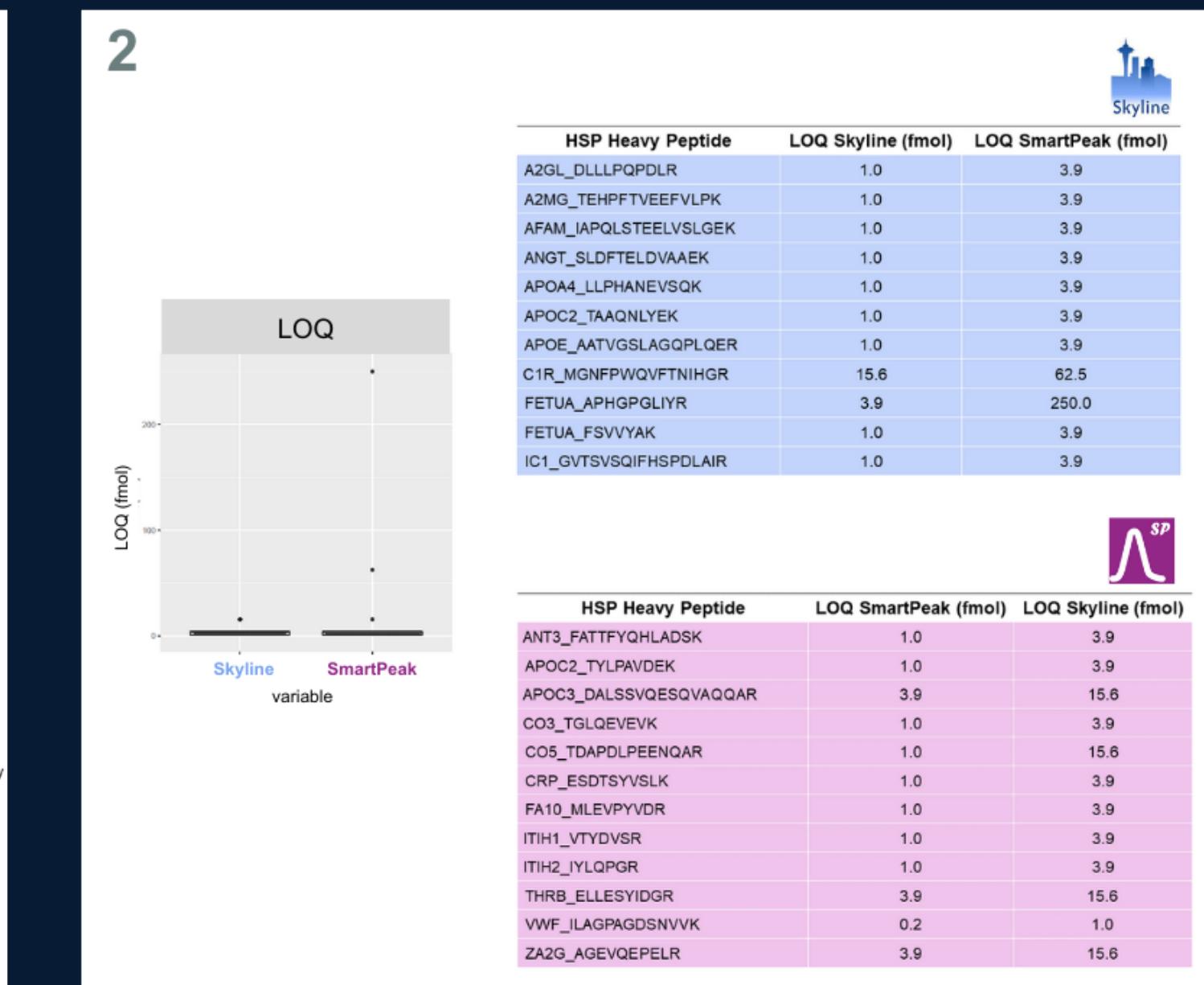
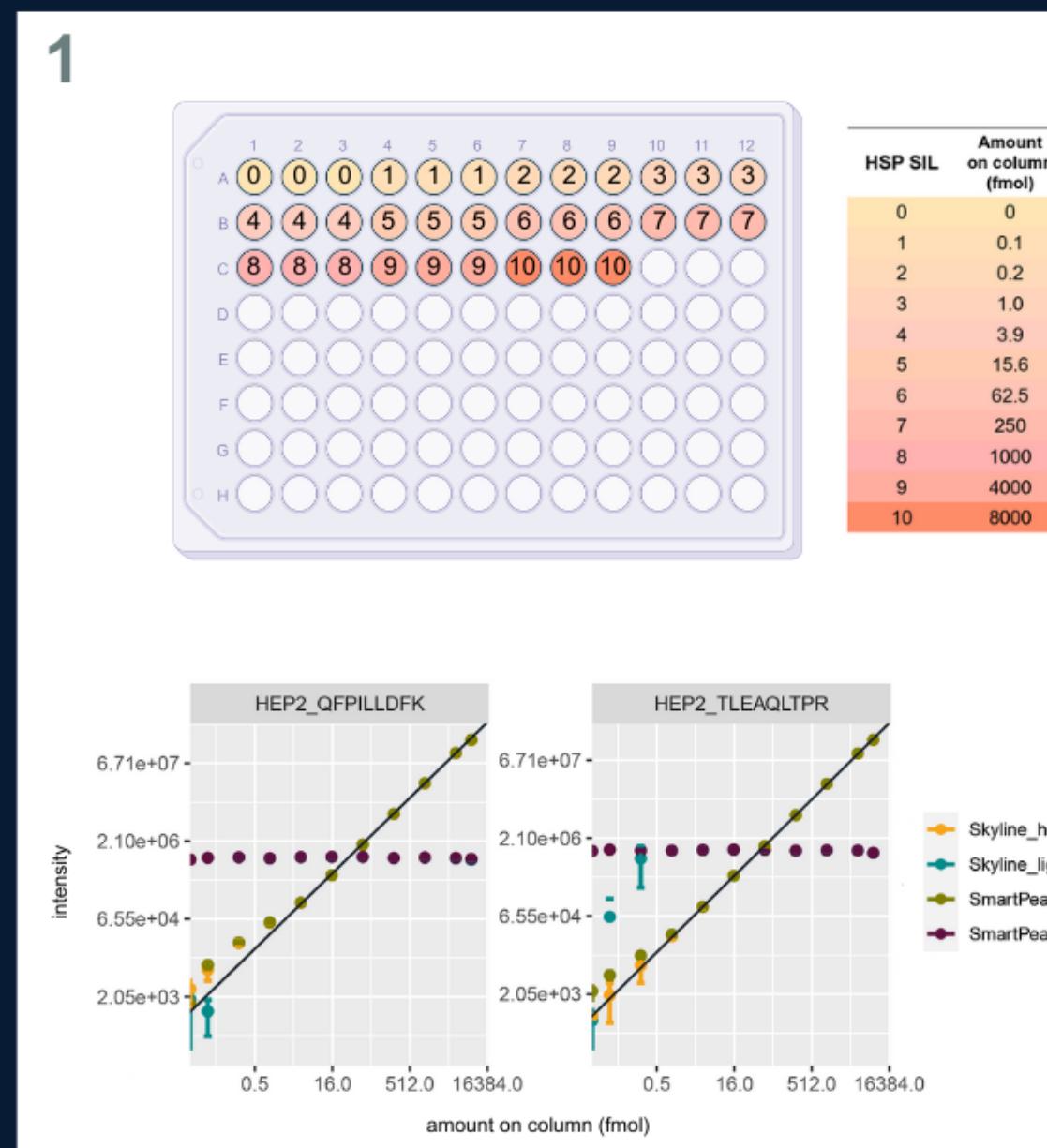


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LOD, LOQ, Linear Range  
Reproducibility  
Precision  
Endogenous Peptide Quant.

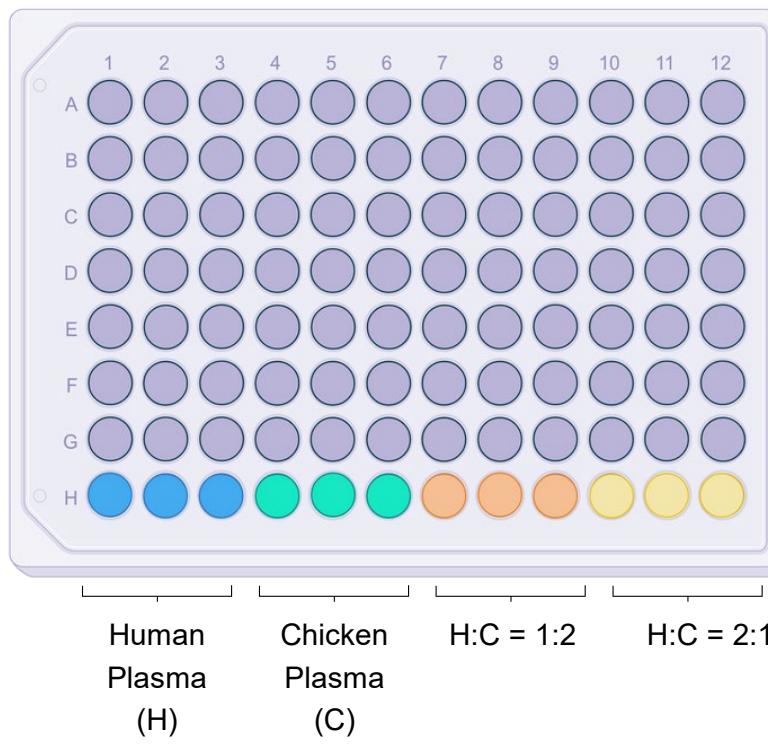


# Calibration plate | LOD/LOQ & Linear Range



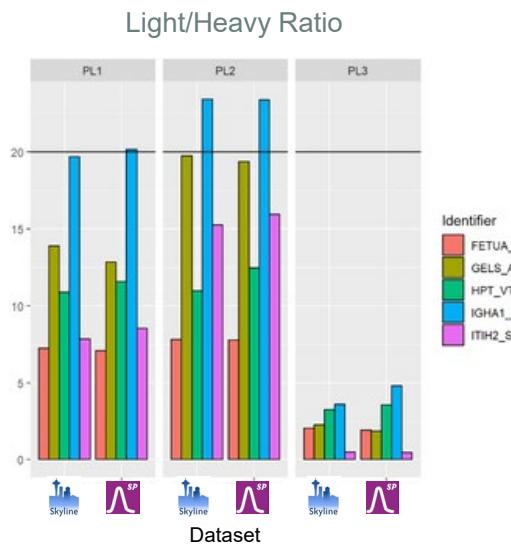
# IBD samples plate | Reproducibility & Precision

1

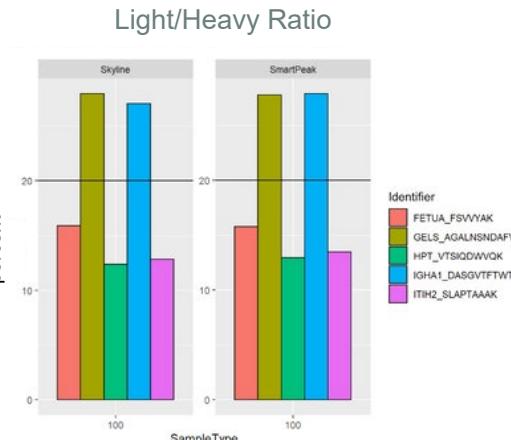


- No of plates: 3
  - 42 cases
  - 42 controls

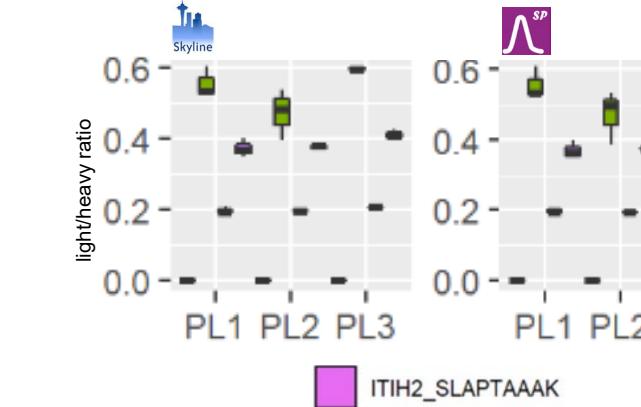
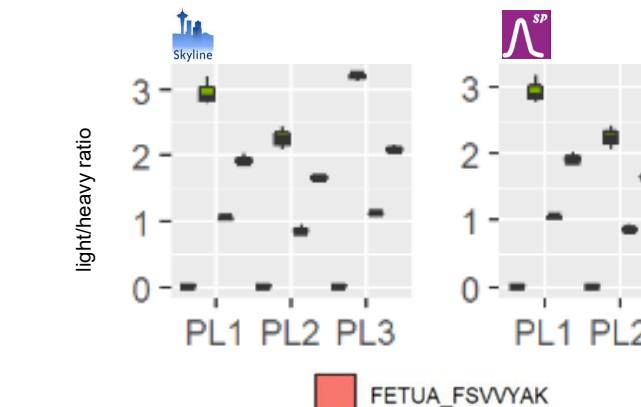
## Intra-day precision



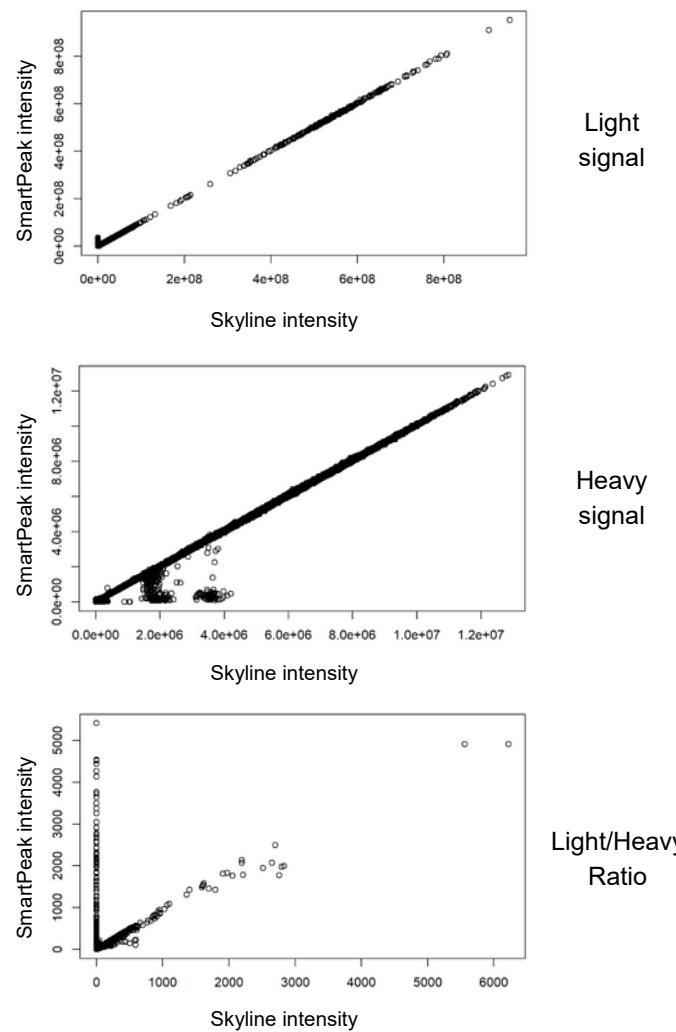
## Inter-day precision



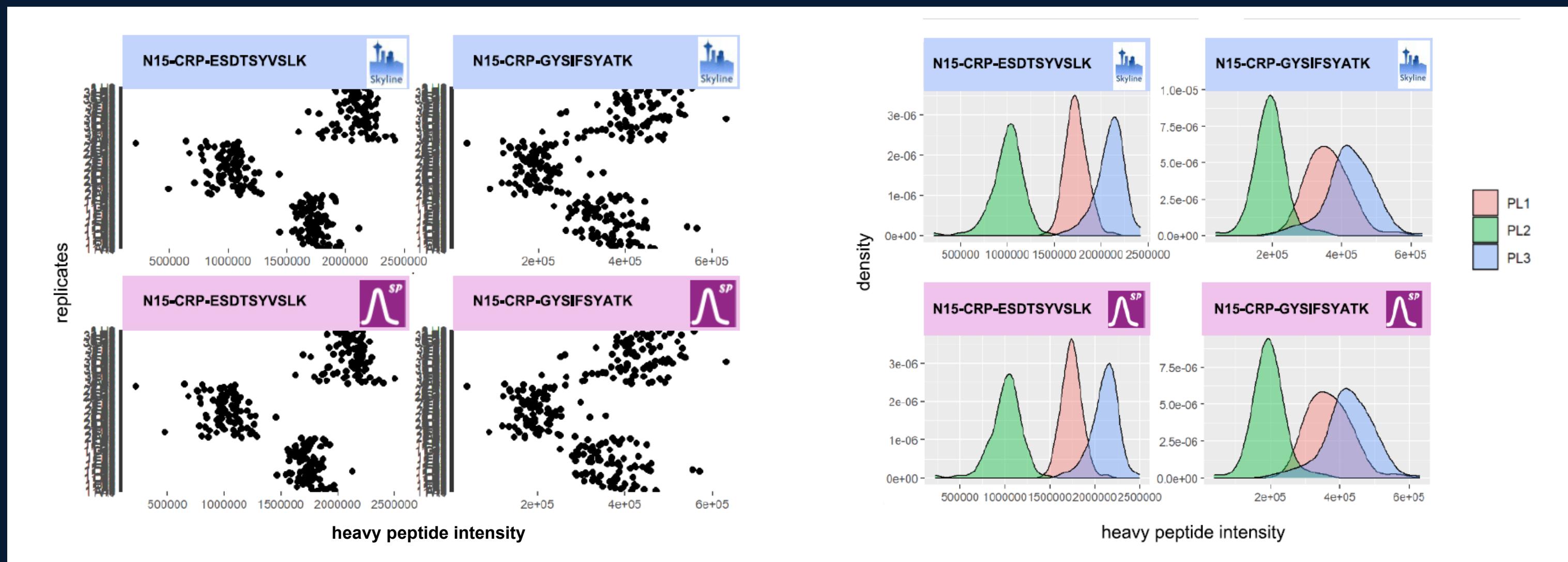
2



3



# Digestion QC | N-15 Labeled CRP



# Acknowledgements

## Precision Biomarker Laboratories

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ACBRI

Jennifer Van Eyk, PhD

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## Poster Presentation

Thu, June 6

Poster: ThP 101

**BOOTH #447**

[cs-pbl.com](http://cs-pbl.com)

