A
Arg0/Lys0
Arg6/Lys4
Arg10/Lys8
combine SILAC labeled samples
Protein extraction (8M urea)
LysC/Trypsin digest
C18 desalting
Basic Reversed-Phase
basic RP fractions (pH 10)
Metal affinity; enrich 95% of each fraction
Proteome (5%)
Phosphopeptides (12 fractions)
All peptides (24 fractions)
LC-MS/MS (Q-Exactive, Top12, HCD)
5.0x
2.5x
Intensity
mass / charge
Data analysis MaxQuant
Assignment of regulated proteins/phosphosites (Moderated T-test)

B
GPR56
KRAS
D log2[LT DOX/NO DOX]
B log2[LT DOX/NO DOX]

C
B log2[LT DOX/NO DOX]
SILAC
iTRAQ
D log2[LT DOX/NO DOX]
SILAC
iTRAQ