Supporting information for

# LFQ-Analyst: An easy-to-use interactive webplatform to analyze and visualize label-free proteomics data preprocessed with MaxQuant 

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Supplementary figure S1. Scatter plots
Supplementary figure S2. Protein intensity plots
Supplementary figure S3. Protein intensity plots

Supplementary figure S1. Scatter plots comparing the calculated/observed and the expected $\log 2$ fold changes of the UPS1 and UPS2 standard proteins using either $L F Q$ Analyst or Perseus (based on the dataset PXD000279 provided to PRIDE). Each circle represents a UPS1/UPS2 standard protein and the linear regression curves are shown in blue.

LFQ-Analyst


## Perseus



Supplementary figure S2. Protein intensity plots of those 12 proteins that have been only identified by Perseus as being differentially regulated (based on the dataset PXD002057 provided to PRIDE). Each plot contains four boxplots with individual replicates represented as dots and a black line surrounding a dot indicates that the value for this particular replicate had been imputed. The $y$-axes represent $\log 2$ LFQ intensity values. The four boxplots from left to right are: (i) the parental SKBR3 cell line analyzed with LFQ-Analyst (red boxplot), (ii) the parental SKBR3 cell line analyzed with Perseus (green boxplot), (iii) the HER2-resistant cell line analyzed with LFQ-Analyst (cyan boxplot) and (iv) the HER2-resistant cell line analyzed with Perseus (purple boxplot).

HSPA4L


BAG3


RRM1


GSTO1



PPAN


UGGT1


TJP2


EIF2B4


Supplementary figure S3. Protein intensity plots of those 64 proteins that have been only identified by LFQ-Analyst as being differentially regulated (based on the dataset PXD002057 provided to PRIDE). Each plot contains four boxplots with individual replicates represented as dots and a black line surrounding a dot indicates that the value for this particular replicate had been imputed. The y-axes represent $\log 2$ LFQ intensity values. The four boxplots from left to right are: (i) the parental SKBR3 cell line analyzed with LFQ-Analyst (red boxplot), (ii) the parental SKBR3 cell line analyzed with Perseus (green boxplot), (iii) the HER2-resistant cell line analyzed with LFQ-Analyst (cyan boxplot) and (iv) the HER2-resistant cell line analyzed with Perseus (purple boxplot).



UGDH



PFN1


PFKM


DLD


TPT1


GSPT1


POR


TCEA1


MCM3




GPD2


PSMC4


PREP


NASP


RANBP2


RARS


MTPN



Supplementary Figure S3

UBE2K


STXBP1


RPS15


OGDH


NSUN2


PICALM


PIN1


MCM6


PAFAH1B3


CPSF6


HNRNPUL2


UAP1L1


HSD17B12


COA6


ATAD2


FAM83H


COPS6


PELP1


NUP37


## PSPC1



CNDP2


TUBA1C


## TACO1



HNRNPUL1


SCAF1


XPO5


TRMT112


MACF1


GSTK1


THRAP3


