Supplemental Tables

Supplemental Table S1. Overall protein identifications after QuantFusion analysis

Table displaying protein accession number, posterior error probability (PEP), number of unique peptides and list of peptide sequences identified for each protein

Supplemental Table S2. Protein identifications reported with single peptides

Table displaying identified peptide sequence, modified sequence, m/z, charge, Andromeda score and posterior error probability (PEP)

Supplemental Table S3. Comparisons of LFQ, RoR and QuantFusion quantitative methods

Table displaying identification number: (ID), UniProt protein accession, RoR, RoR-SE, RoR-Q, RoR-posterior, LFQ, LFQ-SE, LFQ-Q, LFQ-posterior, QuantFusion, QuantFusion-SE, QuantFusion-Q, QuantFusion-posterior and posterior error probability for protein identification. Note: LFQ: Label-free Quantitation ratio of log2(WHIM2/WHIM16), RoR: Ratio of Ratios of log2(WHIM2/WHIM16), SE: Standard error, Q: q-value, posterior: posterior probability

Supplemental Table S4. Missing quantitative values in LFQ and RoR analysis

Table displaying quantitative methods shown in Supplement Table 3 with the inclusion of missing quantitative values observed in either LFQ or RoR

Supplemental Table S5. List of proteins rescued by QuantFusion for LFQ

This table lists proteins not significantly differentially expressed (or not quantifiable or not identified) in LFQ but were in QuantFusion.

Table displaying Protein: UniProt protein accession, QF: QuantFusion fold change log2(WHIM2/WHIM16), QF_Q: q-value for QuantFusion, LFQ: LFQ fold change log2(WHIM2/WHIM16), LFQ_Q: q-value for LFQ, RoR: RoR fold change log2(WHIM2/WHIM16), RoR Q: q-value for RoR. Columns QF DIFF EXPRESS,

LFQ_DIFF_EXPRESS, ROR_DIFF_EXPRESS indicate whether or not the protein is significantly differentially expressed in QuantFusion, LFQ, RoR respectively: '+' indicates that the protein is significantly differentially expressed, '-' indicates that the protein is not significantly differentially expressed, blank indicates that the protein was not quantifiable or not identified.

Supplemental Table S6. List of proteins rescued by QuantFusion for RoR

This table lists proteins not significantly differentially expressed (or not quantifiable or not identified) in RoR but were in QuantFusion.

Table displaying Protein: UniProt protein accession, QF: QuantFusion fold change log2(WHIM2/WHIM16), QF_Q: q-value for QuantFusion, LFQ: LFQ fold change log2(WHIM2/WHIM16), LFQ_Q: q-value for LFQ, RoR: RoR fold change log2(WHIM2/WHIM16), RoR_Q: q-value for RoR. Columns QF_DIFF_EXPRESS, LFQ_DIFF_EXPRESS, ROR_DIFF_EXPRESS indicate whether or not the protein is significantly differentially expressed in QuantFusion, LFQ, RoR respectively: '+' indicates that the protein is significantly differentially expressed, '-' indicates that the protein is not significantly differentially expressed, blank indicates that the protein was not quantifiable or not identified.

Supplemental Table S7. List of proteins rescued by QuantFusion for both LFQ and RoR

This table lists proteins not significantly differentially expressed (or not quantifiable or not identified) in both LFQ and RoR but were in QuantFusion.

Table displaying Protein: UniProt protein accession, QF: QuantFusion fold change log2(WHIM2/WHIM16), QF_Q: q-value for QuantFusion, LFQ: LFQ fold change log2(WHIM2/WHIM16), LFQ_Q: q-value for LFQ, RoR: RoR fold change log2(WHIM2/WHIM16), RoR_Q: q-value for RoR. Columns QF_DIFF_EXPRESS, LFQ_DIFF_EXPRESS, ROR_DIFF_EXPRESS indicate whether or not the protein is significantly differentially expressed in QuantFusion, LFQ, RoR respectively: '+' indicates that the protein is significantly differentially expressed, '-' indicates that the protein was not quantifiable or not identified.