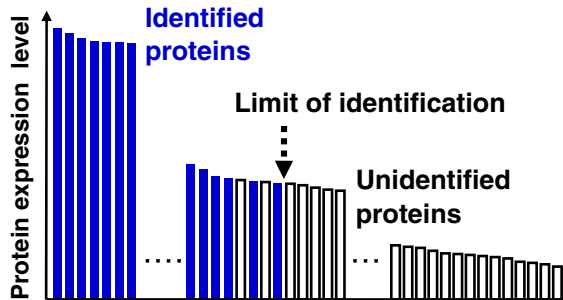
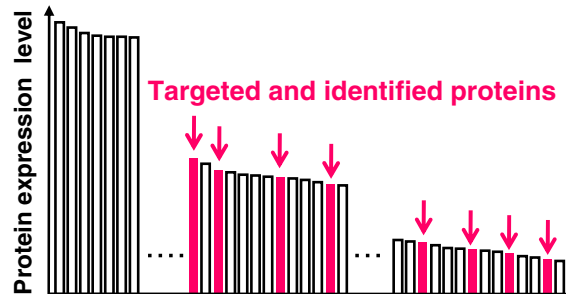


A) Global Proteomics



1. MS High resolution MS (Q-TOF, Orbitrap, TOF-TOF, FTICR)
2. Purpose Large-scale identification
3. Sensitivity Highly/moderately abundant proteins
4. Quantification Unsuitable for absolute quantification
Relative quantification is possible
5. Coverage Identify thousands of proteins

B) Quantitative Targeted Absolute Proteomics (QTAP)



- Highly sensitive MS with wide dynamic range (QqQ, recent Q-TOF (TripleTOF5600))
- Identification & quantification of target proteins
- Covers low-abundance proteins (~ 0.1 fmol/μg protein)
- Accurate absolute & relative quantification
- Identify & quantify only targeted proteins
Simultaneous absolute quantification of 37 proteins