



Figure S1: Distribution of heavy isotopes between reporter and balancing group for the 11 different TMTs. A) Asterisks indicate heavy isotopes. The reporter region is shown in black, the balancing region in blue, and the leaving group in red. The TMT 11-plex has five potentially heavy isotopes on both the reporter and mass balancer groups. Due to the 6 mDa difference of the extra neutron in C14 compared to N15 the reporter ions from e.g. TMT-127N are distinguishable from TMT-127C. The 11th variant in the TMT 11-plex contains five heavy carbons in the reporter ion and is technically not isobaric to the other tags. However, in practice this will not make a difference for its use. B) Reporter and Complement Reporter Ions forming after TMT-tag fragmentation.