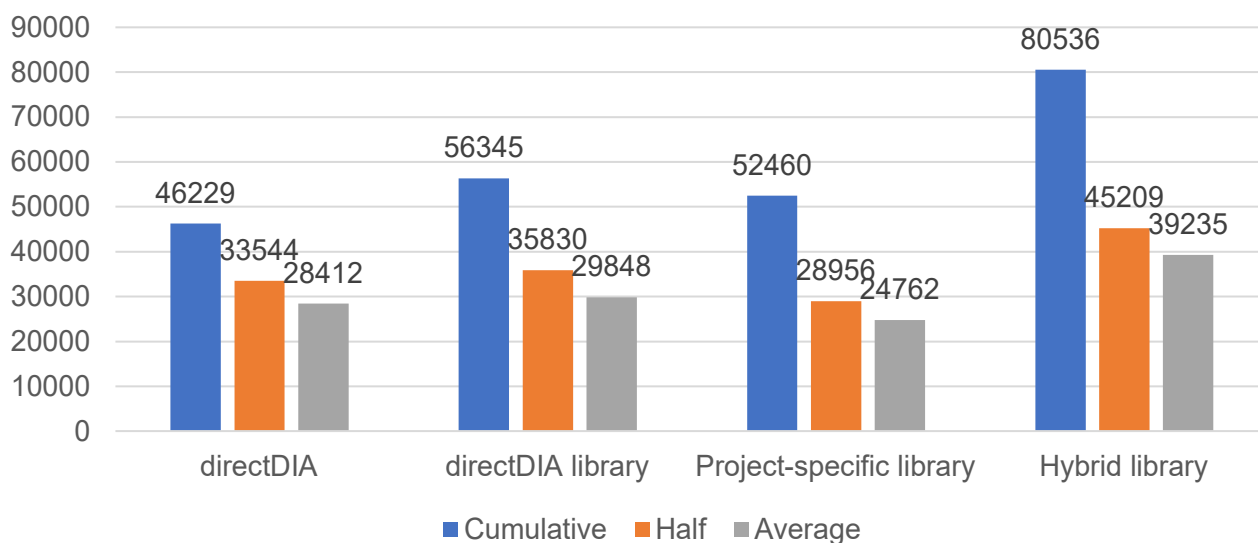


**Figure S1. Identified peptide precursors (A) and protein groups (B) in randomly selected 32 protein DIA runs (8 runs in each tissue type).** Cumulative: number of unique peptide precursor or protein group identified across all runs; Average: average number of peptide precursors or protein groups identified per run; Half: number of peptide precursor or protein group quantified at least half samples in one tissue group; SPN16: Spectronaut™ 16; Pan Human Library: a generic large-scale human assay library generated by ETH (Rosenberger *et al.* 2014). Both directDIA library and project-specific library were generated by Spectronaut™ 13 using DIA MS runs or DDA MS runs. Library-free or library-based DIA analyses was done by Spectronaut™ 16 with default parameters.

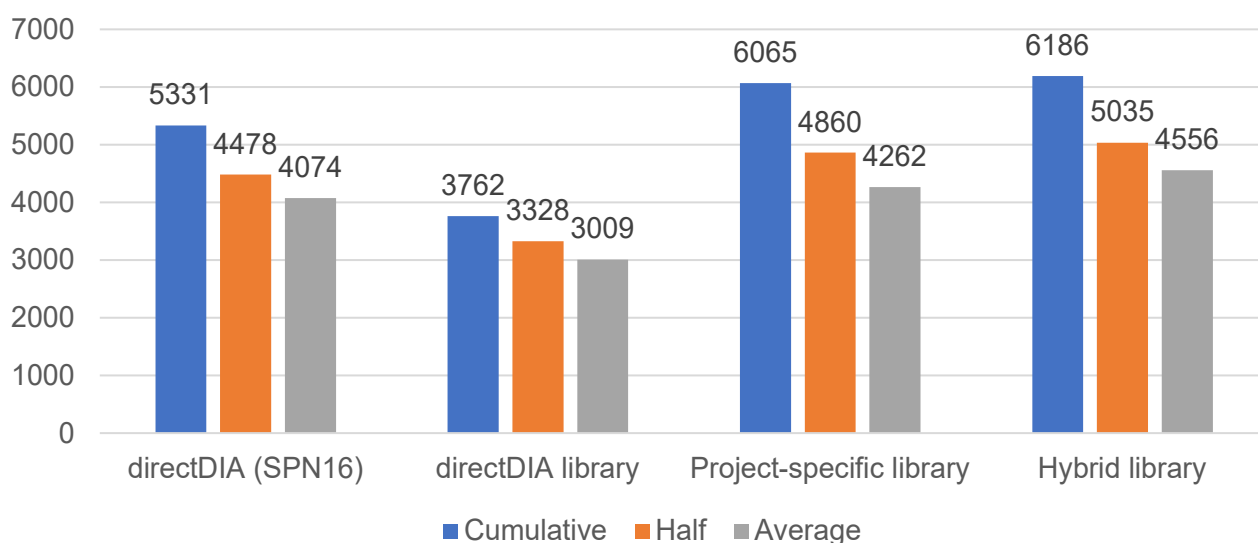
A

### Phosphopeptide Precursors

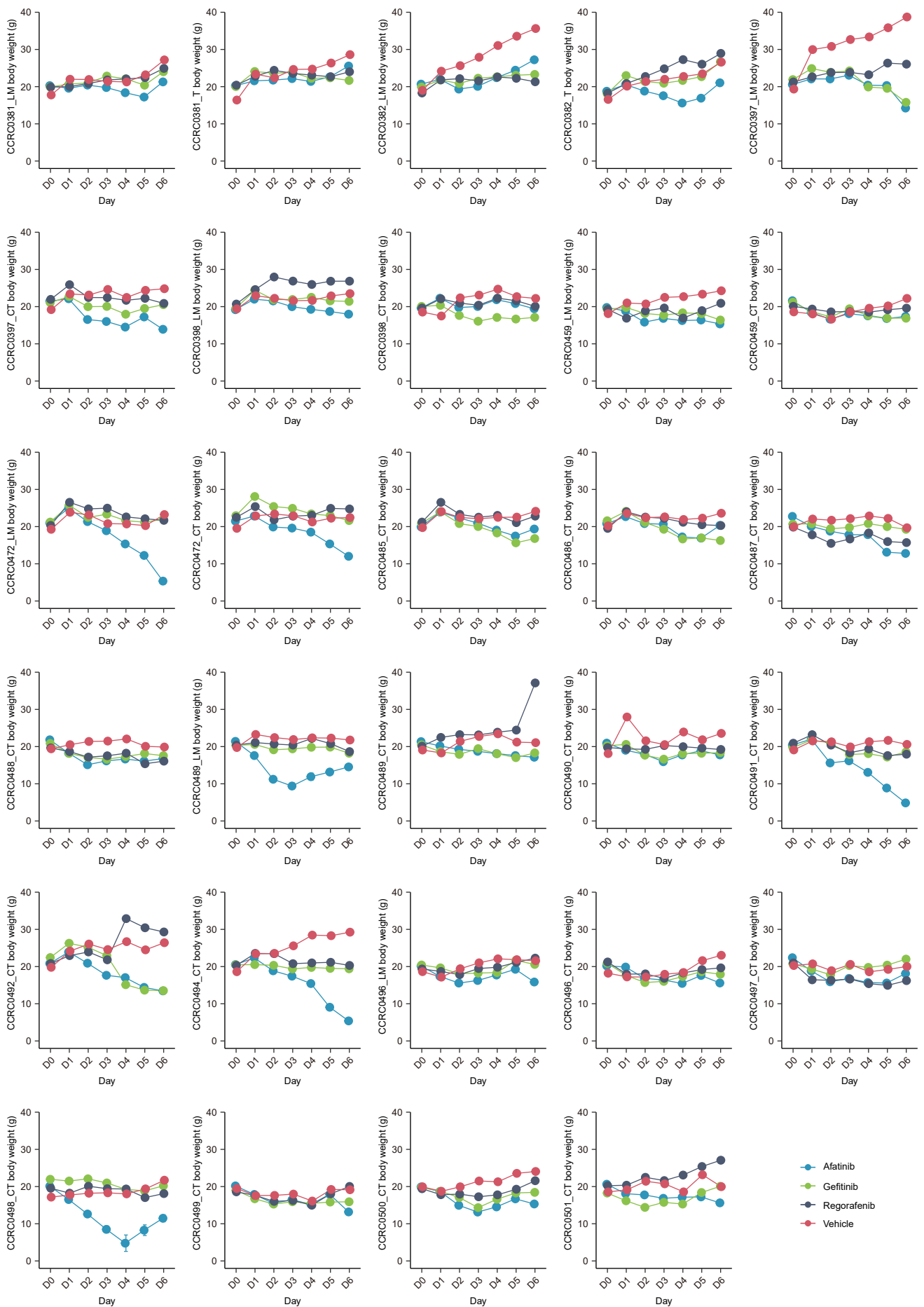


B

### Phosphoprotein Groups



**Figure S2. Identified phosphopeptide precursors (A) and phosphoprotein groups (B) in randomly selected 32 phosphoprotein DIA runs (8 runs in each tissue type).** Cumulative: number of unique phosphopeptide precursor or phosphoprotein group identified across all runs; Average: average number of phosphopeptide precursors or phosphoprotein groups identified per run; Half: number of phosphopeptide precursor or phosphoprotein group quantified at least half samples in one tissue group; SPN16: Spectronaut™ 16; Both directDIA library and project-specific library were generated by Spectronaut™ 13 using DIA MS runs or DDA MS runs. Library-free or library-based DIA analyses was done by Spectronaut™ 16 with default parameters.



**Figure S3. Evaluate the mice body weight.** The mice body weight change in LM and CT in Afatinib, Gefitinib and Regorafenib.