



**Figure S1.** Site-specific N-glycan analysis of purified cell-associated rrBChE and culture medium rrBChE with and without kifunensine treatment. Glycoform distribution of each site analyzed by LC-MS/MS representing in % relative abundance; CA(-) and CA(+), cell-associated rrBChE with/without kifunensine treatment, respectively; ME(-) and ME(+), culture medium rrBChE with/without kifunensine treatment, respectively. CA and ME stand for cell-associated rrBChE and culture medium rrBChE, respectively, while + and - refer to with and without kifunensine treatment, respectively.