

Table S4. Related to STAR METHODS. List of protein sequences used for LC-MS/MS analysis (differing amino acid shown in red).

Name	Sequence
mCherry ^{190K}	MGRLESTPPKKKRRKVEDSASVSKGEEDNMAIIKEFMRFKVHMEGSVNGHEFEIEGEGE GRPYEGTQTAKLKVTKGGPLPFAWDILSPQFMYGSKAYVKHPADIPDYKLSFPEGFKW ERVMNFEDGGVVTVTQDSSLQDGEFIYKVKLRGTNFPDGPVMQKKTMGWEASSERM YPEDGALKGEIKQRLKLDGGHYDAEVKTTYKAKKPVQLPGAYNVNIKLDITSHNEDYTI VEQYERAEGRHSTGGMDELYKHHHHHH
mCherry ^{190F}	MGRLESTPPKKKRRKVEDSASVSKGEEDNMAIIKEFMRFKVHMEGSVNGHEFEIEGEGE GRPYEGTQTAKLKVTKGGPLPFAWDILSPQFMYGSKAYVKHPADIPDYKLSFPEGFKW ERVMNFEDGGVVTVTQDSSLQDGEFIYKVKLRGTNFPDGPVMQKKTMGWEASSERM YPEDGALKGEIKQRLKLDGGHYDAEVKTTYKAKFPVQLPGAYNVNIKLDITSHNEDYTIV EQYERAEGRHSTGGMDELYKHHHHHH
EGFP ^{39K}	MGRLESTPPKKKRRKVEDSASDYKDDDDKVSKGEELFTGVVPILVELDGDVNGHKFSVS GEGEGDATK GKLT LKFICTTGKLPVPWPTLVTTLT YGVQCFSRYPDHMKQHDFFKSAM PEGYVQERTIFFKDDGNYKTRAEVKFEGDTLVNRIELKGIDFKEDGNILGHKLEYNYN SH NVYIMADKQKNGIKANFKIRHNIEDGSVQLADHYQQNTPIGDGPVLLPDNHYLSTQSALS KDPNEKRDHMLLEFVTAAGITLGMDELYKHHHHHH
EGFP ^{39F}	MGRLESTPPKKKRRKVEDSASDYKDDDDKVSKGEELFTGVVPILVELDGDVNGHKFSVS GEGEGDATF GKLT LKFICTTGKLPVPWPTLVTTLT YGVQCFSRYPDHMKQHDFFKSAMP EGYVQERTIFFKDDGNYKTRAEVKFEGDTLVNRIELKGIDFKEDGNILGHKLEYNYN SHN VYIMADKQKNGIKANFKIRHNIEDGSVQLADHYQQNTPIGDGPVLLPDNHYLSTQSALS KDPNEKRDHMLLEFVTAAGITLGMDELYKHHHHHH