

mVenus-FLAG-LANS-Set2 sequence (NLSΔ mutations in red; size: 132.6 kDa):

MKALT VSKGEELFTGVVPILVELDGDVNGHKFSVSGEGEGDATYGKLTCLKICTTGKLPVPWPT
LVTT LGYGLQCFARYPDHMKQHDFFKSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGDTLVN
RIELKGIDFKEDGNILGHKLEYNNSHNVYITADKQKNGIKANFKIRHNIEDGGVQLADHYQQNT
PIGDGPVLLPDNHYSYQSKLSKDPNEKRDHMLLEFVTAAGITLGMDELYK GSGSGSGRDYKD
DDDKSR LALKLAGLDIGLQSGSGSLATT LERIEKNFVITDPRLPDNPIIFASDSFLQLTEYSREEI
LGRNCRFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNL FHLQPMRDQKGDVQY
FIGVQLDGT EHV RDAAEREGVMLIKKTAENIDMAAKRVKLD GSGSGSGSRG MSKNQSVSASE
DEKEILNNNAEGHKPQRLFDQEPDL TEEALTKFENLDDCIYANKRIGTFKNND FMECDCYEEFS
DGVNHACDEDSDCINRLT LIECVNDLCSSCGNDCQNQRFQKKQYAPIAIFKTKHKGYGVRAEQ
DIEANQFIYEYKGEVIEEMEFRDRLIDYDQRHFKHFYFMMLQNGEFIDATIKGSLARFCNHSCSP
NAYVNKWVVKDKLRMGIFAQRKILKGEEITFDYNVD RYGAQAQKCYCEEPNCIGFLGGKTQTD
AASLLPQNIADALGVTVSMEKKWLK LKLSGEP IIKNENENINIEFLQSLEVQPIDSPVDVTKIMSV
LLQQDNKIIASKLLKRLFTIDDDSLRHQA IKLHGYTCFSKMLKLFITEQPQVDGKGNETEEDDIKFI
KGILDFLLELPKTTRNGIESSQIDNVVKTLPAKFPFLKPNCE LLEKWSKFETYKRITKKDINVAAL
SKMIDLRRVRLPPGWEIIHENG RPLYYNAEQKTKLHYPPSGSSKVFSSRSNTQVNSPSSSGIPK
TPGALDS GSHKLSDEEYE GSGQKRLEYERIALERAKQEEESLKQKLKLENERKSVLEDIIAEAN
KQKELQKEEAKKLVEAKEAKRLKRKTVS QSQRLEHNWNKFFASFVPNL IKKNPQSKQFDHENI
KQCAKDIVKILT TTKELKKDSSRAP PDDLTKGKRHKVKEFINSYMDKIILKKKQKKALALSSASTRM
SSPPPSTSS

FLAG-LANS-Set2 sequence (NLSΔ mutations in red; size: 105.7 kDa):

MKALTSGGRDYKDDDDKSR LALKLAGLDIGLQSGSGSLATT LERIEKNFVITDPRLPDNPIIFA
SDSFLQLTEYSREEILGRNCRFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNL FHL
LQPMRDQKGDVQYFIGVQLDGT EHV RDAAEREGVMLIKKTAENIDMAAKRVKLD GSGSGSGS
RG MSKNQSVSASEDEKEILNNNAEGHKPQRLFDQEPDL TEEALTKFENLDDCIYANKRIGTFKN
NDFMECDCYEEFS DGVNHACDEDSDCINRLT LIECVNDLCSSCGNDCQNQRFQKKQYAPIAIF
KTKHKGYGVRAEQDIEANQFIYEYKGEVIEEMEFRDRLIDYDQRHFKHFYFMMLQNGEFIDATIK
GSLARFCNHSCSPNAYVNKWVVKDKLRMGIFAQRKILKGEEITFDYNVD RYGAQAQKCYCEEP
NCIGFLGGKTQTD AASLLPQNIADALGVTVSMEKKWLK LKLSGEP IIKNENENINIEFLQSLEVQ
PIDSPVDVTKIMSVLLQQDNKIIASKLLKRLFTIDDDSLRHQA IKLHGYTCFSKMLKLFITEQPQVD
GKGNETEEDDIKFIKGILDFLLELPKTTRNGIESSQIDNVVKTLPAKFPFLKPNCE LLEKWSKFE
TYKRITKKDINVAASKMIDLRRVRLPPGWEIIHENG RPLYYNAEQKTKLHYPPSGSSKVFSSRSN
TQVNSPSSSGIPKTPGALDS GSHKLSDEEYE GSGQKRLEYERIALERAKQEEESLKQKLKLENERKSVLEDIIAEAN
ERKSVLEDIIAEANKQKELQKEEAKKLVEAKEAKRLKRKTVS QSQRLEHNWNKFFASFVPNL IK
KNPQSKQFDHENIKQCAKDIVKILT TTKELKKDSSRAP PDDLTKGKRHKVKEFINSYMDKIILKKKQ
KKALALSSASTRMSSPPPSTSS