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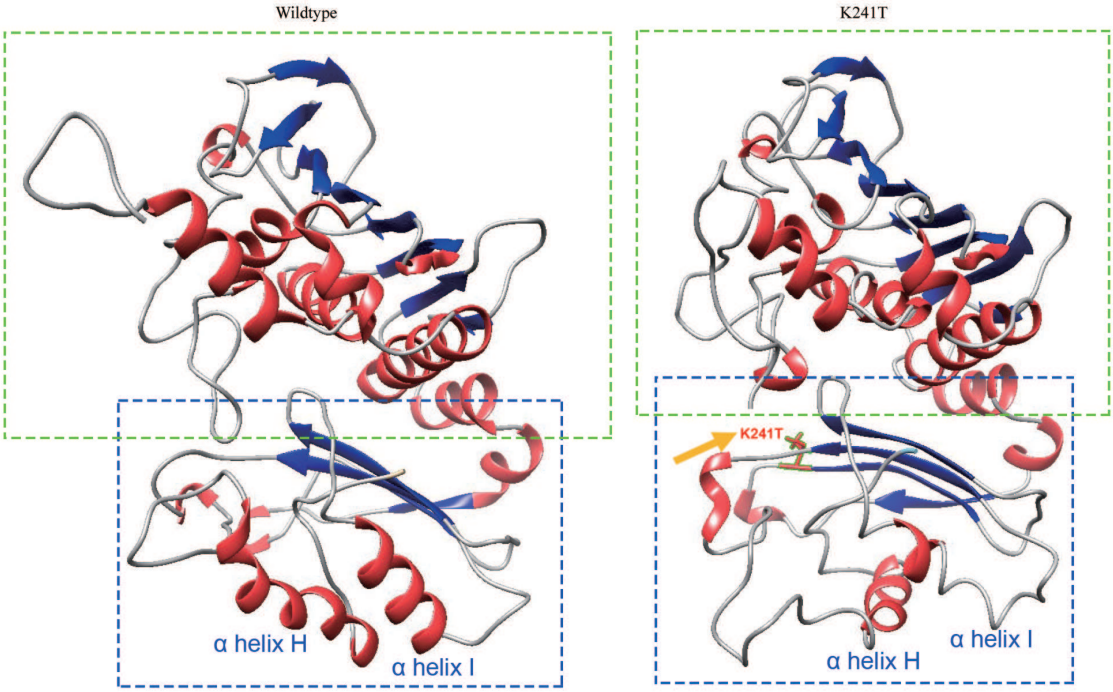
A.



B.

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                 1                 11                21                31                41
Wildtype     0 GMSFVAGVIR  RL.........  ...DE..TVV  NRIAAGEVIQ  RPANAIKEMI
K241T        0 ..........  ..GMSFVAGV  IRRL.DETVV  NRIAAGEVIQ  RPANAIKEMI

                 51                61                71                81                91
Wildtype    37 ENCLDAKSTS  IQVIVKEGGL  KLIQIQDNGT  GIRKEDLDIV  CERFTTSKLQ
K241T       37 ENCLDAKSTS  IQVIVKEGGL  KLIQIQDNGT  GIRKEDLDIV  CERFTTSKL.

                101               111               121               131               141
Wildtype    87 S..FED.LAS  .ISTYG...F  RGEALASISH  VAHVTITTKT  AD.GKCAYRA
K241T       86 .QSFEDLA..  SI...STYGF  RGEALASISH  VAHVTITTKT  .ADGKCAYRA

                151               161               171               181               191
Wildtype   129 SYSDGKLKAP  PKPCAGNQGT  QITVEDLFYN  IATRRKALKN  PSEEYGKILE
K241T      129 SYSDGKLKAP  PKPCAGNQGT  QITVEDLFYN  IATRRKALKN  PSEEYGKILE

                201               211               221               231               241
Wildtype   179 VVGRYSVHNA  GISFSVKKQG  ETVADVRTLP  NASTVDNIRS  IFGNAVSREL
K241T      179 VVGRYSVHNA  GISFSVKKQG  ETVADVRTLP  NASTVDNIRS  IFGNAVSREL

                251               261               271               281               291
Wildtype   229 IEIGCEDKT.  LAF......K  MNGYISNAN.  YSVKKC....  IFL.LFINHR
K241T      229 IEIGC....E  D..KTLAFTM  N.GYISN..A  NYS...VKKC  I.FLLFINHR

                301               311               321               331               341
Wildtype   266 LVE..STSLR  KA...I..ET  VYAAY..L.P  .KNTH....P  FLYLSLEISP
K241T      266 L..VES..T.  ..SLRKAIE.  .T...VYAAY  LP...KNTHP  FLYLSLEIS.

                351               361               371               381               391
Wildtype   301 QNVDVNV...  .H.PTKHEVH  FLHEESIL..  ......ERVQ  ..QHI.ESKL
K241T      300 PQN....VDV  NVHP.T....  .........KH  EVHFLHEE..  SIL..ERVQ.

                401               411               421
Wildtype   335 LGSNSSR...  ..........M  YFTQT.
K241T      328 .QHI...ESK  LLGSNSSRMY  F.TQ.T
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