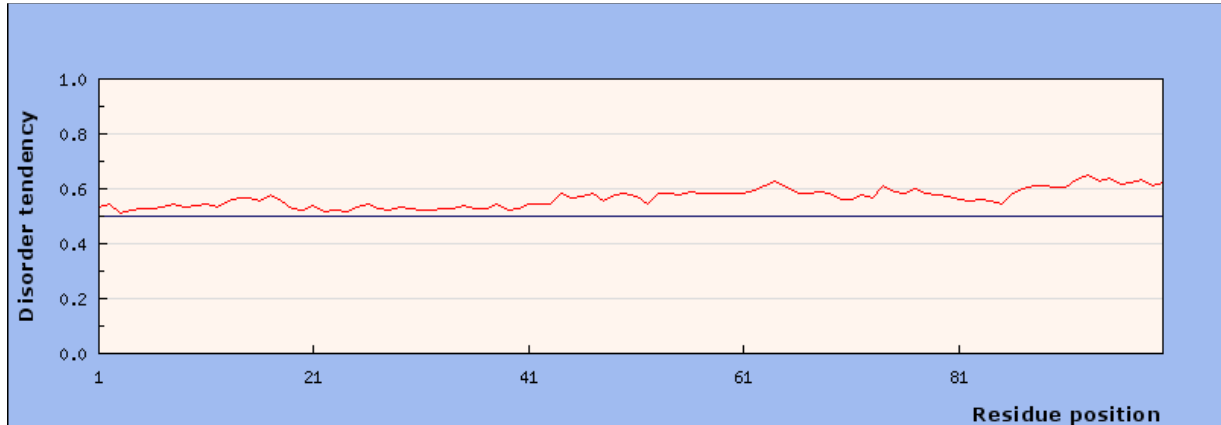


## Supplementary Figure S1

Dt # 0.55

Seq\_1

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Seq\_2

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D T D T Q D T K D D R A K T R D D K D D K R G

Seq\_3

T K A L E T D T Y Q D D M K G L S D M D D T T Y Q L T T K K E T R T K D D T H D D E R S Y T L G D D K G K G V T R T Y D G L K K R Q D F E T E G A K T D  
K R D K K S T T I T G K G D R T K D K K G T T

Seq\_4

R D A E D K R I A R R E S R T L Y D E Q K S E I D D T R F K T K K E Q Y G K R E T R E D L V R E K R R T Q Y D R K V Q T E R I G Q D D L R Y R Q T E E D G  
Y R R K T D R K V Y Y D T K D E D D G K V K V

Seq\_5

R E M R N R K R R I R Q V T R G D I Y D K R E T R G K I S D Y T R T V R E Y R G T V S T R G R I E E R Y Q K G E D Y R Y E A R N R Y D R S E R Y D R E Q V  
D R Y S E R K R D R E Y K E E N M E K E E I R

Seq\_6

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T N D T K S M D T T G T D S K D L T M M T H K

Seq\_7

S S K I S E K T T T I S G G A E V Y R D K Y E S K G T T K A K K K S E E G E Y K M D G I K T T Q A K V G G T M K T G D G S T R I K N Y E E I S K G D Y E  
N K E S T R Y T K T D T K A K G K L S K T T G

Seq\_8

T S M K T K D K D D K S M H D L K G D T D K T T G H D T K T D N M T L K G D M G K G D L D D R V R Y E T Y T S D H D T K K I T D G K G T T D D K S V T M N  
D T L N T M T D T K M T T T H G L D K T H M D

Seq\_9

N E A R R D R R I G D Y G D K M E E R N R K D E Y R E A K R G I D Y D D R S T R L D K Q R K R A R D D E D I K T K E D Y E Y T V Y K E S R R I D K D D S I  
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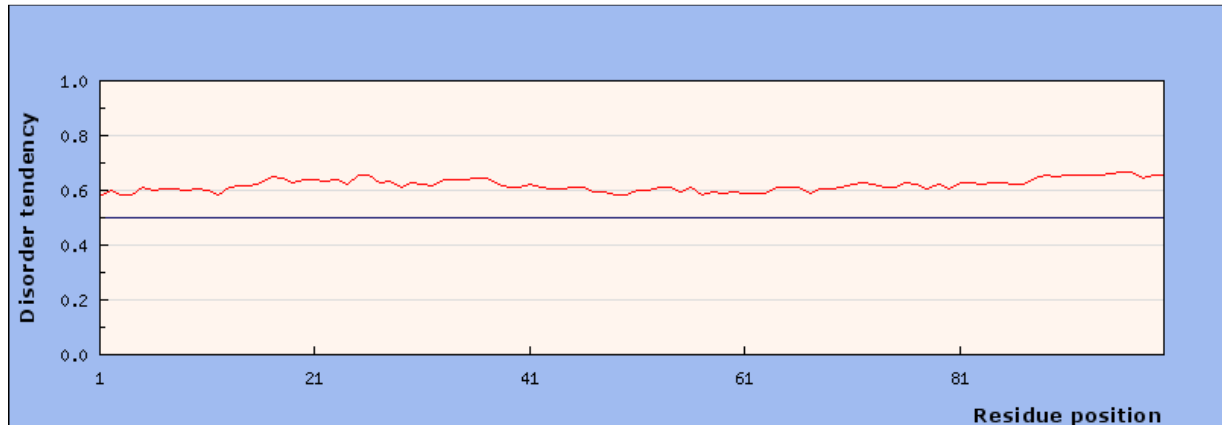
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N T T I S G G T L G D K D T K K T S D L T G S

Dt # 0.6

Seq\_1

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Seq\_2

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Seq\_3

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Seq\_4

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Seq\_5

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Seq\_6

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Seq\_7

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Seq\_8

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Seq\_9

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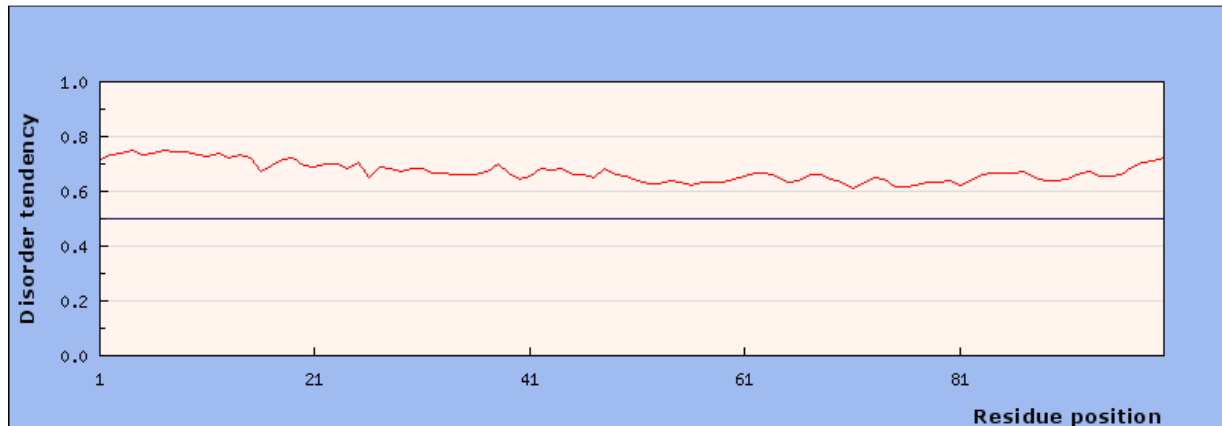
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Dt # 0.65

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Seq\_2

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Seq\_3

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Seq\_4

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Seq\_5

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Seq\_6

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Seq\_7

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Seq\_8

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Seq\_9

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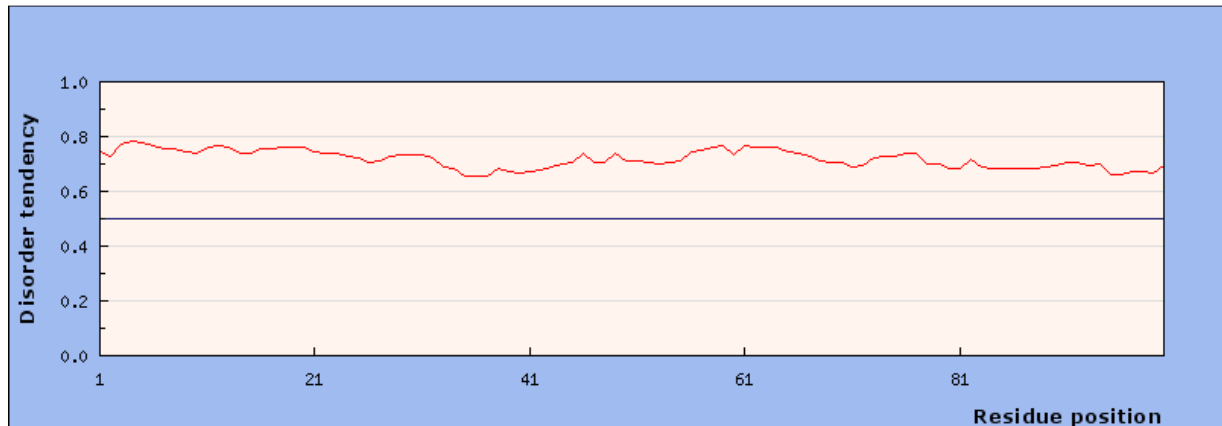
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Dt # 0.7

Seq\_1

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Seq\_2

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Seq\_3

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Seq\_5

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Seq\_6

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Seq\_9

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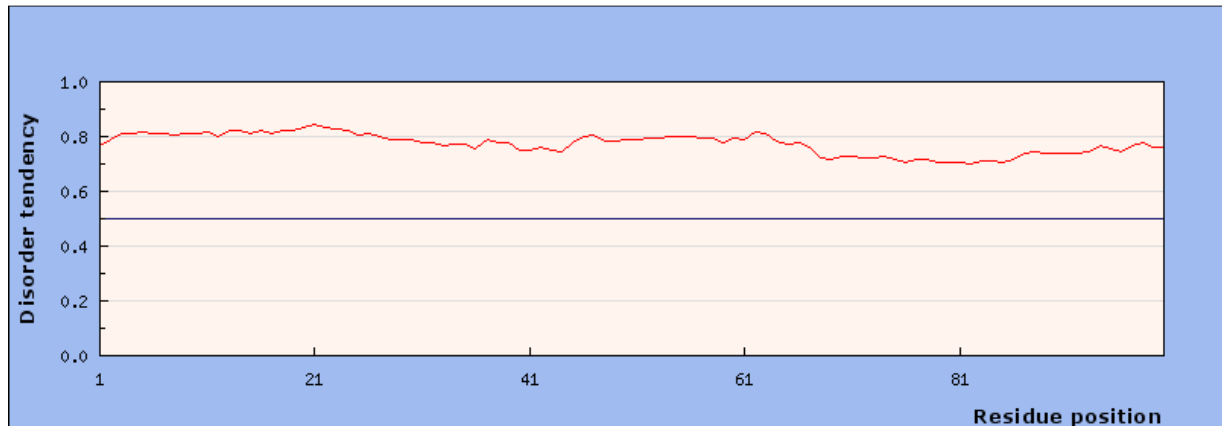
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Seq\_9

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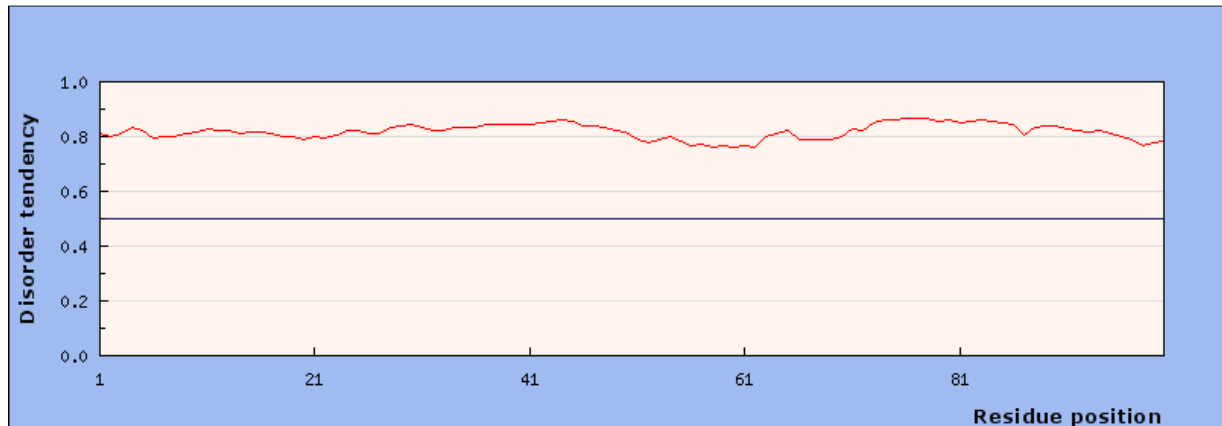
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Dt # 0.8

Seq\_1

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Seq\_2

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Seq\_5

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Seq\_6

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Seq\_7

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Seq\_8

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Seq\_9

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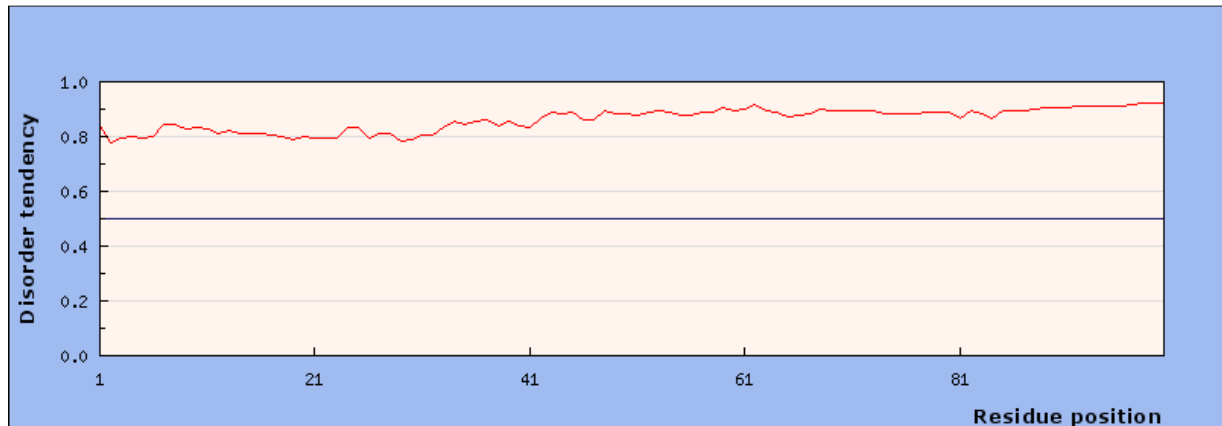
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Dt # 0.85

Seq\_1

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Seq\_2

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Seq\_3

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Seq\_4

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Seq\_5

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Seq\_6

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Seq\_7

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Seq\_8

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Seq\_9

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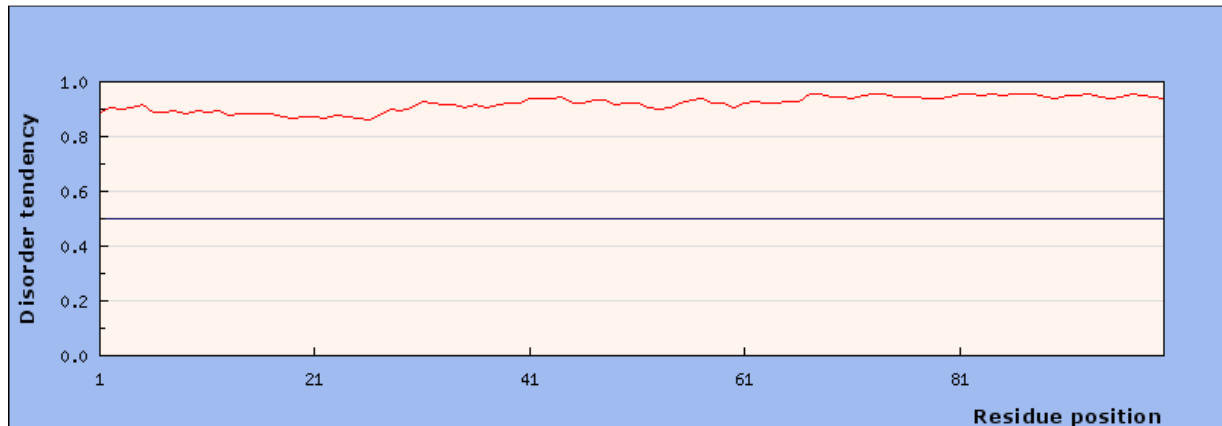
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Dt # 0.9

Seq\_1

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Seq\_2

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Seq\_3

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Seq\_4

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Seq\_5

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Seq\_6

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Seq\_7

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Seq\_8

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Seq\_9

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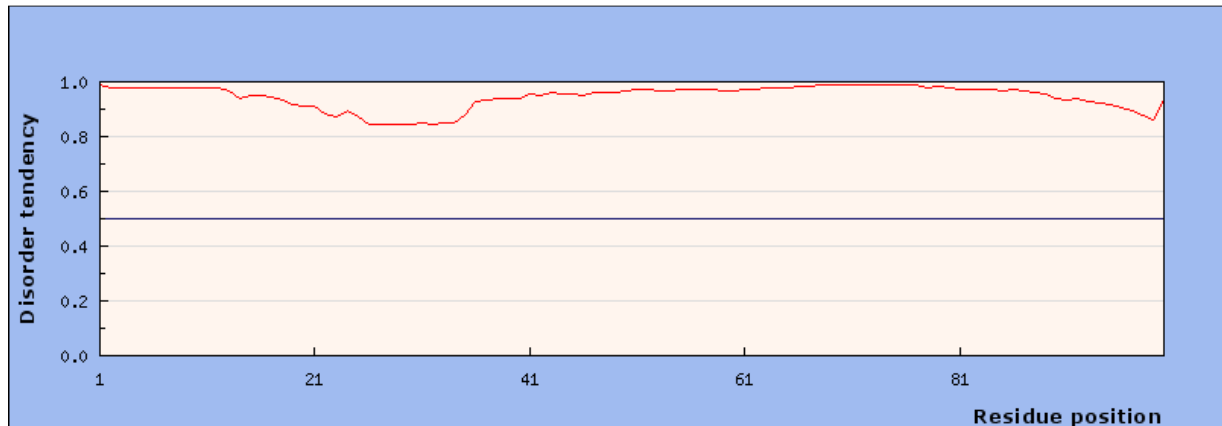
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Dt # 0.95

Seq\_1

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Seq\_2

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Seq\_3

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Seq\_4

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Seq\_5

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Seq\_6

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Seq\_7

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Seq\_8

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Seq\_9

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Seq\_10

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## Supplementary Figure S2

### NGFP-MoRE

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-----B1MoRE-----

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<-----B2MoRE-----

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P Q D S R R S A D A L L R L Q A M A G I S E - -

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### NGFP-100-0.6MoRE

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AACCGATAAAGCGACCCGCGGCGATGTGACCACCCAGAAAACCAGCCAGGCGGATGTGACCAGCGCGACCAAACCGTGGGA  
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GCAGACCAAACAGACCACCAGCGATACCAAAGATACCAAAGTGGATGCG

CCGCAGGACAGTCAAGGTCAGCTGACGCCCTGCTTAGGCTGCAAGCCATGGCAGGAATCTCGGAATAATAA  
P Q D S R R S A D A L L R L Q A M A G I S E - -

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ACCCAGCTTTCTTGTACAAAGTGGTGGATCCGGCTGCTAACAAAGCCCGAAAGGAAGCTGAGTTGGCTGCT

<-----T7 term----

GCCACCGCTGAGCAATAACTAG