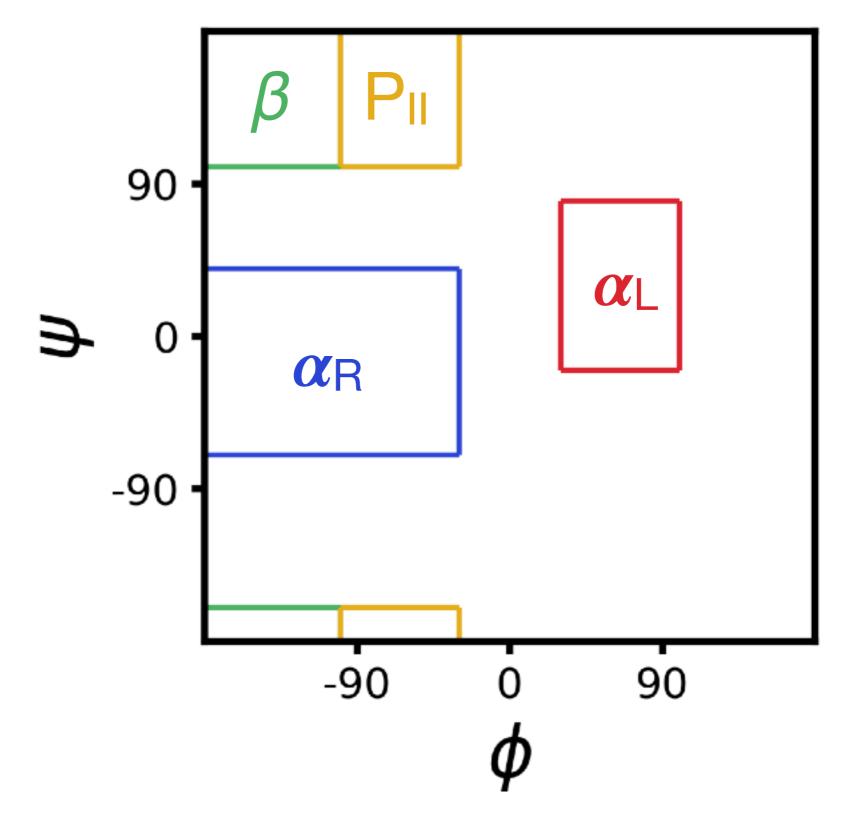
#### Desired SESE conformation

#### Target cyclo-(SESEX<sub>1</sub>X<sub>2</sub>X<sub>3</sub>X<sub>4</sub>) structure

#### Target cyclo-(SESEX<sub>1</sub>X<sub>2</sub>X<sub>3</sub>X<sub>4</sub>X<sub>5</sub>) structure



#### Conformer Probability AA

P

A

L

M

E

I

W

C

V

F

Q

Y

R

K

S

H

T

D

N

G

#### $P_{II}$ 0.80

0.46

0.43

0.40

0.40

0.39

0.39

0.38

0.37

0.35

0.35

0.34

0.34

0.34

0.33

0.30

0.29

0.29

0.24

0.21

 $\beta$ 00.0

0.23

0.21

0.24

0.22

0.36

0.26

0.31

0.39

0.33

0.26

0.32

0.27

0.26

0.25

0.30

0.28

0.09

0.15

0.09

 $\alpha_{R}$ 

0.15

0.21

0.26

0.21

0.28

0.20

0.23

0.18

0.19

0.20

0.26

0.21

0.26

0.29

0.33

0.22

0.38

0.43

0.30

0.09

 $\alpha_{\rm L}$ 

00.0

0.02

0.02

0.03

0.03

0.00

0.03

0.03

0.00

0.03

0.04

0.03

0.04

0.04

0.02

0.06

00.0

0.05

0.13

0.27

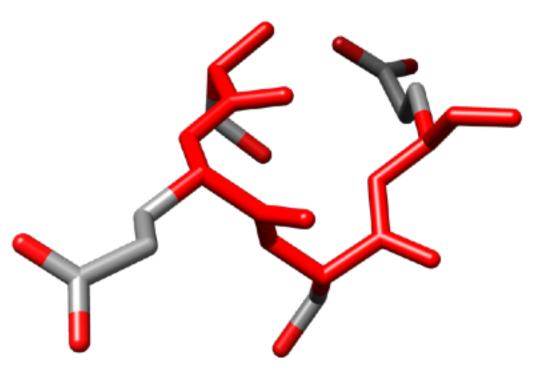
Zhou, C.-Y., Jiang, F. & Wu, Y.-D. J. Phys. Chem. B. 119, 1035-1047 (2015)

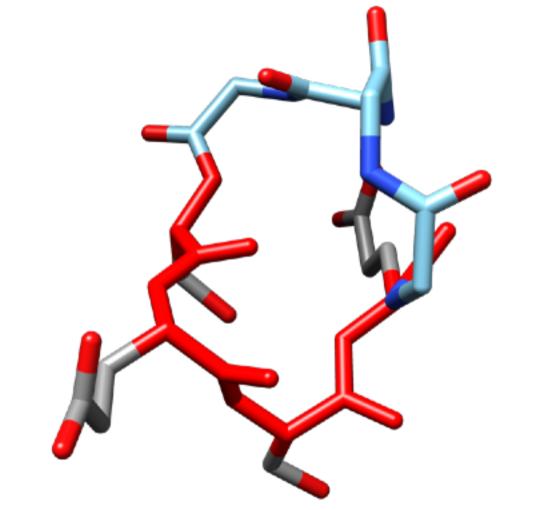
# Linker sequence selection is

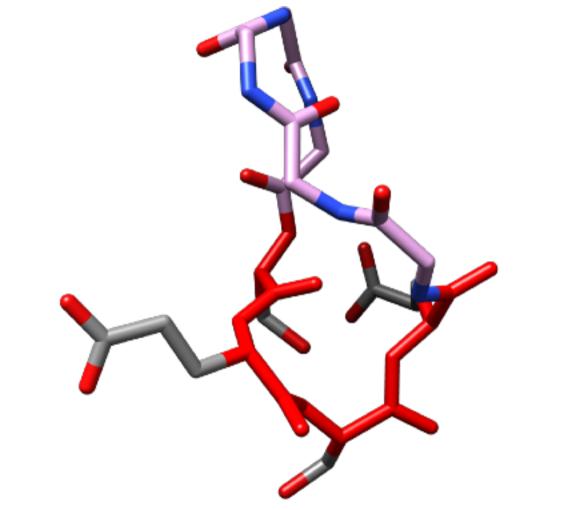
## informed by aa's intrinsic propensity

Background	Project Description	Results	Conclusion
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### SESEG4 and SESEG5 adopt target conformation with high population







### Conformer Definition