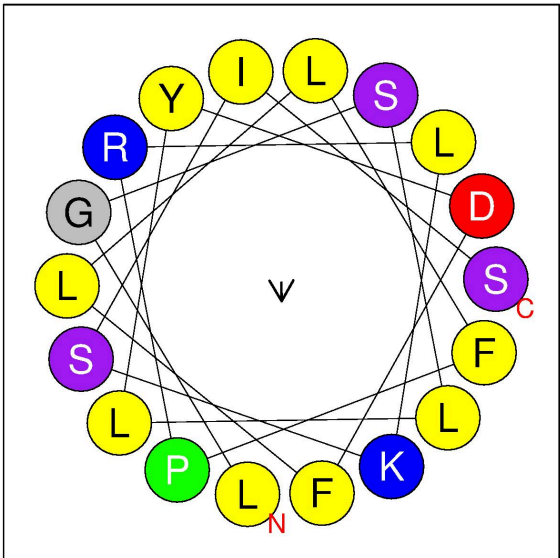


Helix type: alpha
Full sequence:
LGSLLYDFLLFPRLKSISERLSVLKGAKPDVSNQPEVTGEPVELNTQAL
Sequence length: 50 a.a.
Analysis window: 18 a.a.

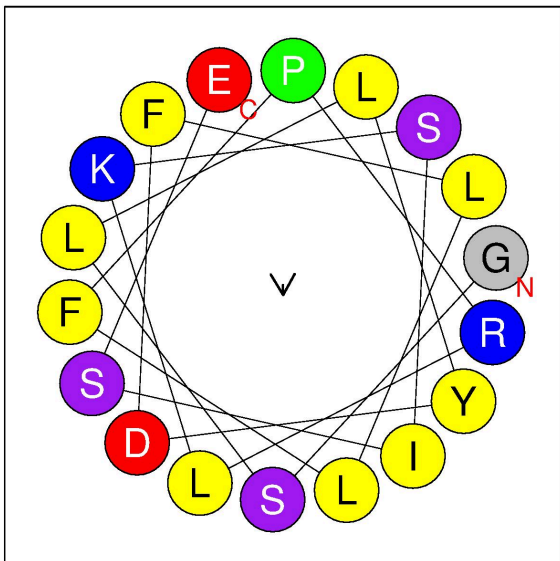
| | | |
|---------------------------------|---------------------------------|-----------------------------|
| 1LGSLLYDFLLFPRLKSIS18 | | |
| Physico-chemical properties | Polar residues + GLY | Nonpolar residues |
| Hydrophobicity <H> | Polar residues + GLY (n / %) | Nonpolar residues (n / %) |
| 0.798 | 7 / 38.89 | 11 / 61.11 |
| Hydrophobic moment <μH> | Uncharged residues + GLY | Aromatic residues |
| 0.087 | SER 3, GLY 1 | TYR 1, PHE 2, |
| Net charge z | Charged residues | Special residues |
| 1 | LYS 1, ARG 1, ASP 1, | CYS 0, PRO 1 |
| | Hydrophobic face : none | |
| Go to screening | Manual mutation | GA mutation |

Click to enlarge



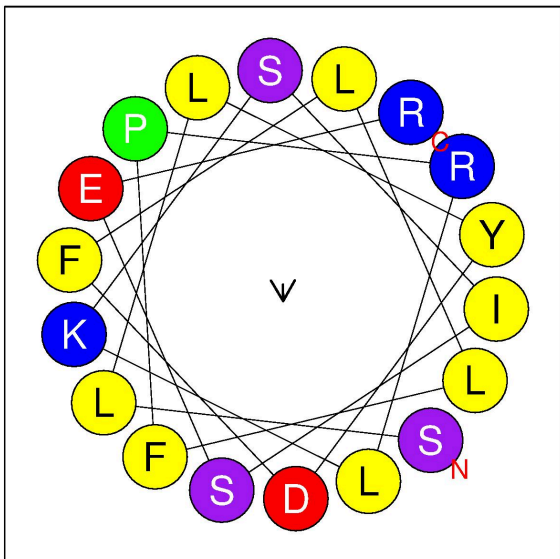
| | | |
|---------------------------------|---------------------------------|-----------------------------|
| 2GSLLYDFLLFPRLKSISE19 | | |
| Physico-chemical properties | Polar residues + GLY | Nonpolar residues |
| Hydrophobicity <H> | Polar residues + GLY (n / %) | Nonpolar residues (n / %) |
| 0.668 | 8 / 44.44 | 10 / 55.56 |
| Hydrophobic moment <μH> | Uncharged residues + GLY | Aromatic residues |
| 0.046 | SER 3, GLY 1 | TYR 1, PHE 2, |
| Net charge z | Charged residues | Special residues |
| 0 | LYS 1, ARG 1, GLU 1, ASP 1, | CYS 0, PRO 1 |
| | Hydrophobic face : none | |
| Go to screening | Manual mutation | GA mutation |

Click to enlarge



| | | |
|---------------------------------|---------------------------------|-----------------------------|
| 3SLLYDFLLFPRLKSISER20 | | |
| Physico-chemical properties | Polar residues + GLY | Nonpolar residues |
| Hydrophobicity <H> | Polar residues + GLY (n / %) | Nonpolar residues (n / %) |
| 0.612 | 8 / 44.44 | 10 / 55.56 |
| Hydrophobic moment <μH> | Uncharged residues + GLY | Aromatic residues |
| 0.077 | SER 3, GLY 0 | TYR 1, PHE 2, |
| Net charge z | Charged residues | Special residues |
| 1 | LYS 1, ARG 2, GLU 1, ASP 1, | CYS 0, PRO 1 |
| | Hydrophobic face : none | |
| Go to screening | Manual mutation | GA mutation |

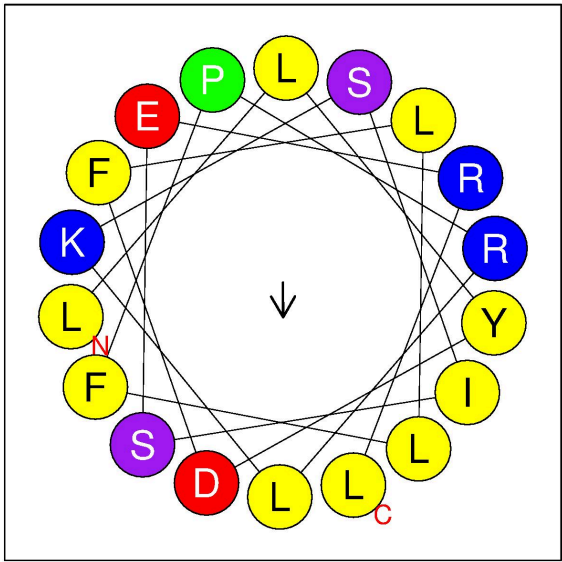
Click to enlarge



| | | |
|-----------------------------|------------------------------|---------------------------|
| 4LLYDFLLFPRLKSISERL21 | | |
| Physico-chemical properties | Polar residues + GLY | Nonpolar residues |
| Hydrophobicity <H> | Polar residues + GLY (n / %) | Nonpolar residues (n / %) |
| 0.709 | 7 / 38.89 | 11 / 61.11 |
| Hydrophobic moment <μH> | Uncharged residues + GLY | Aromatic residues |

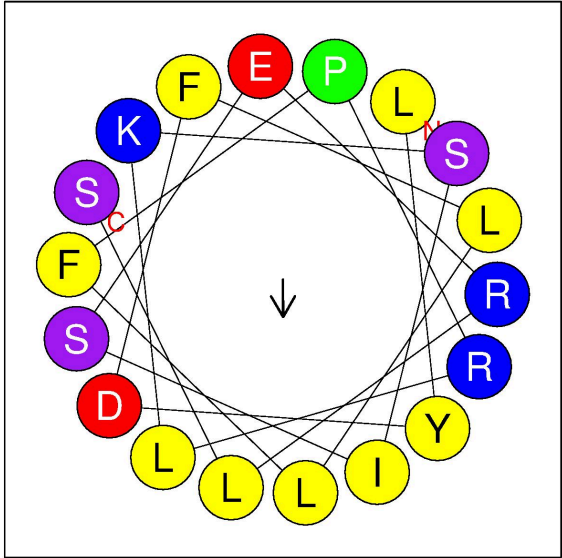
Click to enlarge

| | | |
|---------------------------------|---------------------------------|-----------------------------|
| 0.162 | SER 2, GLY 0 | TYR 1, PHE 2, |
| Net charge z | Charged residues | Special residues |
| 1 | LYS 1, ARG 2, GLU 1, ASP 1, | CYS 0, PRO 1 |
| Hydrophobic face : Y I L L L | | |
| Go to screening | Manual mutation | GA mutation |



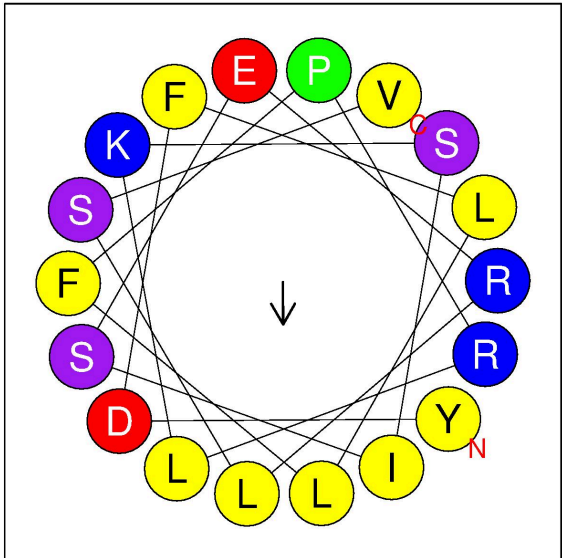
| | | |
|--------------------------------------|---------------------------------|-----------------------------|
| 5LYDFLLFPRLKSISERLS22 | | |
| Physico-chemical properties | Polar residues + GLY | Nonpolar residues |
| Hydrophobicity <H> | Polar residues + GLY (n / %) | Nonpolar residues (n / %) |
| 0.612 | 8 / 44.44 | 10 / 55.56 |
| Hydrophobic moment <μH> | Uncharged residues + GLY | Aromatic residues |
| 0.175 | SER 3, GLY 0 | TYR 1, PHE 2, |
| Net charge z | Charged residues | Special residues |
| 1 | LYS 1, ARG 2, GLU 1, ASP 1, | CYS 0, PRO 1 |
| Hydrophobic face : Y I L L L | | |
| Go to screening | Manual mutation | GA mutation |

Click to enlarge



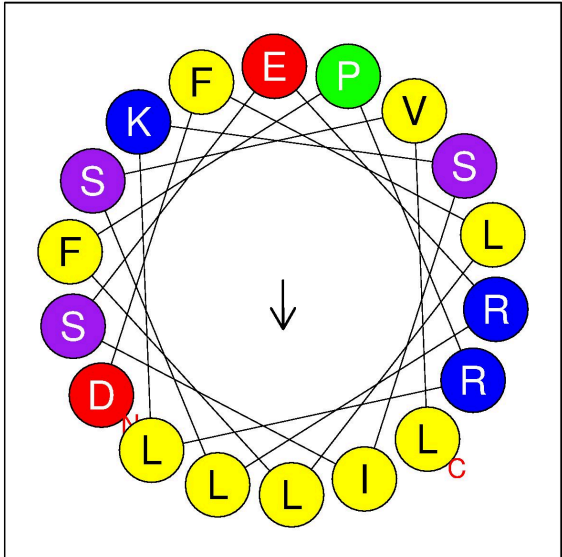
| | | |
|--------------------------------------|---------------------------------|-----------------------------|
| 6YDFLLFPRLKSISERLSV23 | | |
| Physico-chemical properties | Polar residues + GLY | Nonpolar residues |
| Hydrophobicity <H> | Polar residues + GLY (n / %) | Nonpolar residues (n / %) |
| 0.586 | 8 / 44.44 | 10 / 55.56 |
| Hydrophobic moment <μH> | Uncharged residues + GLY | Aromatic residues |
| 0.197 | SER 3, GLY 0 | TYR 1, PHE 2, |
| Net charge z | Charged residues | Special residues |
| 1 | LYS 1, ARG 2, GLU 1, ASP 1, | CYS 0, PRO 1 |
| Hydrophobic face : Y I L L L | | |
| Go to screening | Manual mutation | GA mutation |

Click to enlarge



| | | |
|--------------------------------------|---------------------------------|-----------------------------|
| 7DFLLFPRLKSISERLSVL24 | | |
| Physico-chemical properties | Polar residues + GLY | Nonpolar residues |
| Hydrophobicity <H> | Polar residues + GLY (n / %) | Nonpolar residues (n / %) |
| 0.627 | 8 / 44.44 | 10 / 55.56 |
| Hydrophobic moment <μH> | Uncharged residues + GLY | Aromatic residues |
| 0.226 | SER 3, GLY 0 | PHE 2, |
| Net charge z | Charged residues | Special residues |
| 1 | LYS 1, ARG 2, GLU 1, ASP 1, | CYS 0, PRO 1 |
| Hydrophobic face : L I L L L | | |
| Go to screening | Manual mutation | GA mutation |

Click to enlarge



| | | |
|---------------------------------|------------------------------|---------------------------|
| 8FLLFPRLKSISERLSVLK25 | | |
| Physico-chemical properties | Polar residues + GLY | Nonpolar residues |
| Hydrophobicity <H> | Polar residues + GLY (n / %) | Nonpolar residues (n / %) |
| 0.614 | 8 / 44.44 | 10 / 55.56 |

Click to enlarge

Hydrophobic moment $\langle \mu_H \rangle$

0.219

Net charge z

3

Uncharged residues + GLY

SER 3, GLY 0

Charged residues

LYS 2, ARG 2, GLU 1,

Hydrophobic face : L I L L L

Aromatic residues

PHE 2,

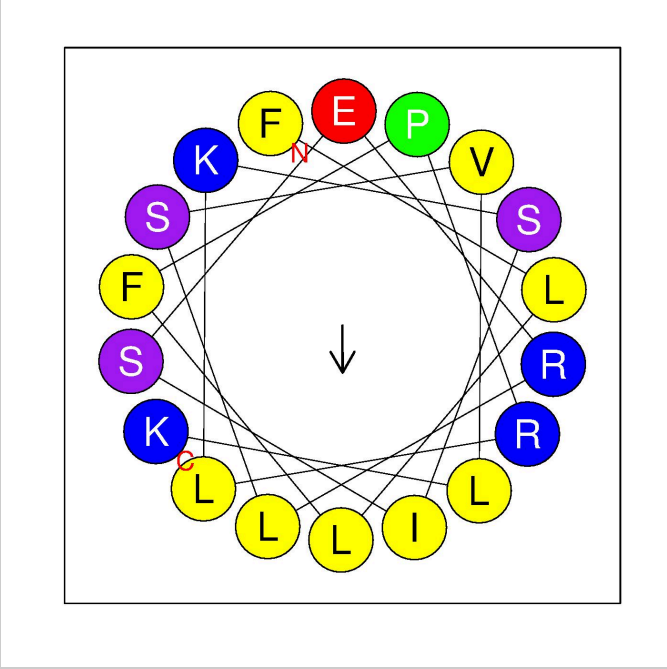
Special residues

CYS 0, PRO 1

[Go to screening](#)

[Manual mutation](#)

[GA mutation](#)



9LLFPRLKSISERLSVLKG₂₆

Physico-chemical properties

Hydrophobicity $\langle H \rangle$

0.515

Hydrophobic moment $\langle \mu_H \rangle$

0.315

Net charge z

3

Polar residues + GLY

Polar residues + GLY (n / %)

9 / 50.00

Uncharged residues + GLY

SER 3, GLY 1

Charged residues

LYS 2, ARG 2, GLU 1,

Hydrophobic face : L I L L L

Nonpolar residues

Nonpolar residues (n / %)

9 / 50.00

Aromatic residues

PHE 1,

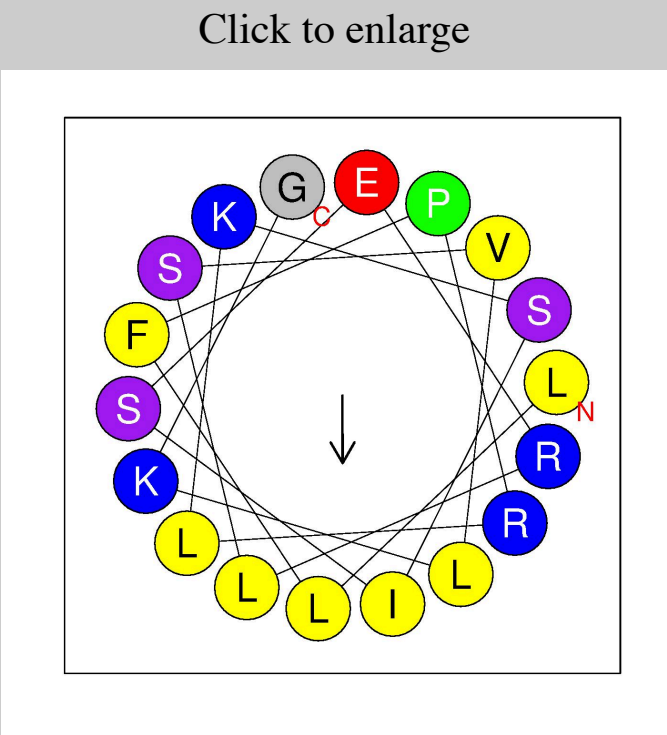
Special residues

CYS 0, PRO 1

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[Manual mutation](#)

[GA mutation](#)



10LFPRLKSISERLSVLKGA₂₇

Physico-chemical properties

Hydrophobicity $\langle H \rangle$

0.438

Hydrophobic moment $\langle \mu_H \rangle$

0.329

Net charge z

3

Polar residues + GLY

Polar residues + GLY (n / %)

9 / 50.00

Uncharged residues + GLY

SER 3, GLY 1

Charged residues

LYS 2, ARG 2, GLU 1,

Hydrophobic face : L I L L L

Nonpolar residues

Nonpolar residues (n / %)

9 / 50.00

Aromatic residues

PHE 1,

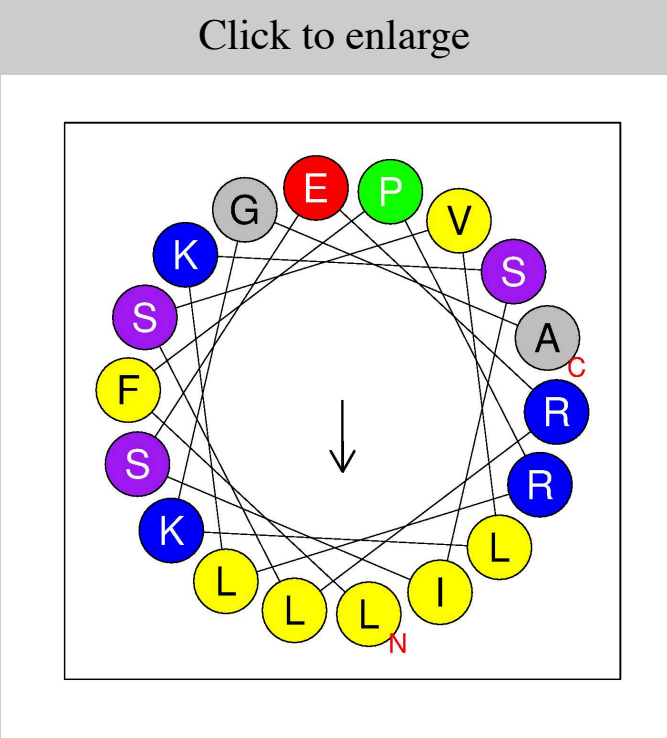
Special residues

CYS 0, PRO 1

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[GA mutation](#)



11FPRLKSISERLSVLKGAK₂₈

Physico-chemical properties

Hydrophobicity $\langle H \rangle$

0.288

Hydrophobic moment $\langle \mu_H \rangle$

0.181

Net charge z

4

Polar residues + GLY

Polar residues + GLY (n / %)

10 / 55.56

Uncharged residues + GLY

SER 3, GLY 1

Charged residues

LYS 3, ARG 2, GLU 1,

Hydrophobic face : none

Nonpolar residues

Nonpolar residues (n / %)

8 / 44.44

Aromatic residues

PHE 1,

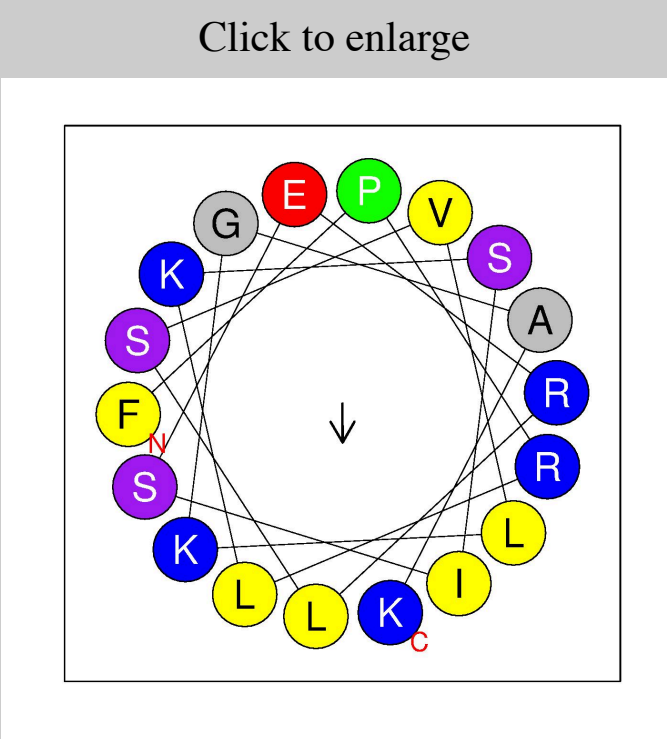
Special residues

CYS 0, PRO 1

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[GA mutation](#)



12PRLKSISERLSVLKGAKP₂₉

Physico-chemical properties

Hydrophobicity $\langle H \rangle$

0.229

Polar residues + GLY

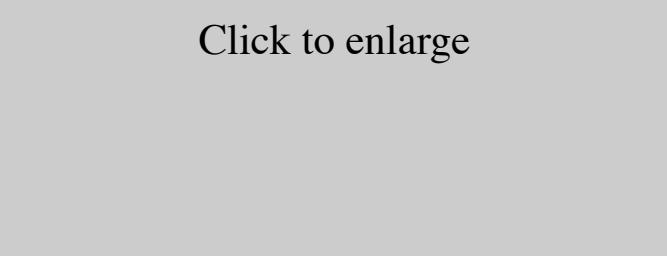
Polar residues + GLY (n / %)

10 / 55.56

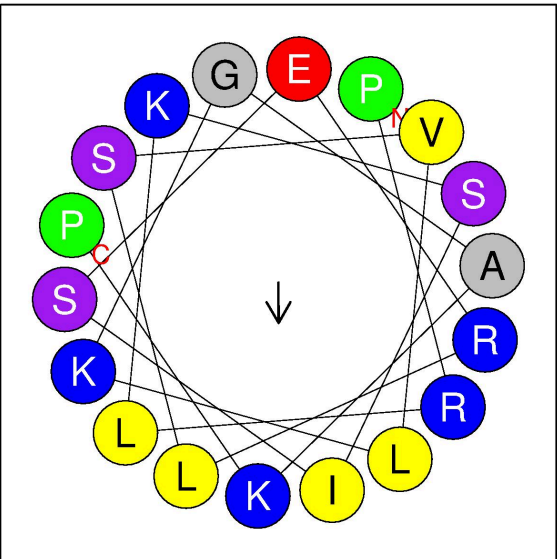
Nonpolar residues

Nonpolar residues (n / %)

8 / 44.44

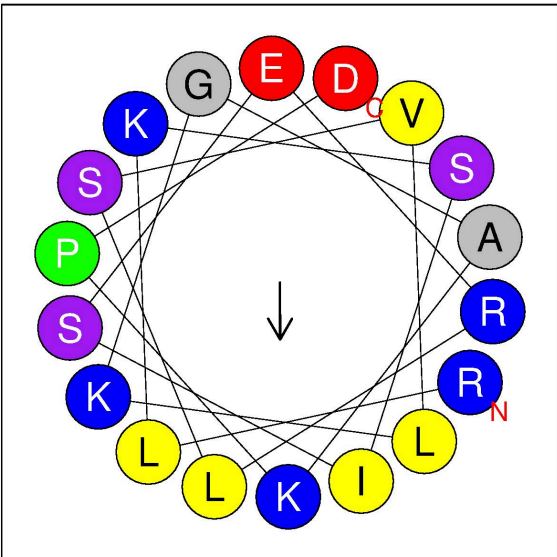


| | | |
|--|---------------------------------|-----------------------------|
| Hydrophobic moment $\langle \mu_H \rangle$ | Uncharged residues + GLY | Aromatic residues |
| 0.188 | SER 3, GLY 1 | |
| Net charge z | Charged residues | Special residues |
| 4 | LYS 3, ARG 2, GLU 1, | CYS 0, PRO 2 |
| | Hydrophobic face : none | |
| Go to screening | Manual mutation | GA mutation |



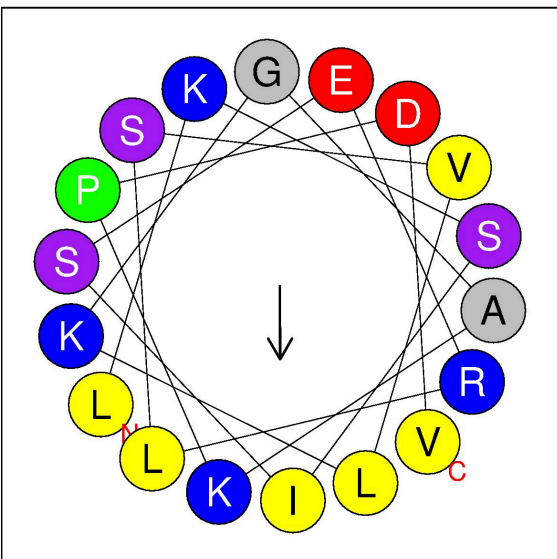
| | | |
|--|---------------------------------|-----------------------------|
| 13 RLKSISERLSVLKGAKPD 30 | | |
| Physico-chemical properties | Polar residues + GLY | Nonpolar residues |
| Hydrophobicity $\langle H \rangle$ | Polar residues + GLY (n / %) | Nonpolar residues (n / %) |
| 0.146 | 11 / 61.11 | 7 / 38.89 |
| Hydrophobic moment $\langle \mu_H \rangle$ | Uncharged residues + GLY | Aromatic residues |
| 0.265 | SER 3, GLY 1 | |
| Net charge z | Charged residues | Special residues |
| 3 | LYS 3, ARG 2, GLU 1, ASP 1, | CYS 0, PRO 1 |
| | Hydrophobic face : none | |
| Go to screening | Manual mutation | GA mutation |

Click to enlarge



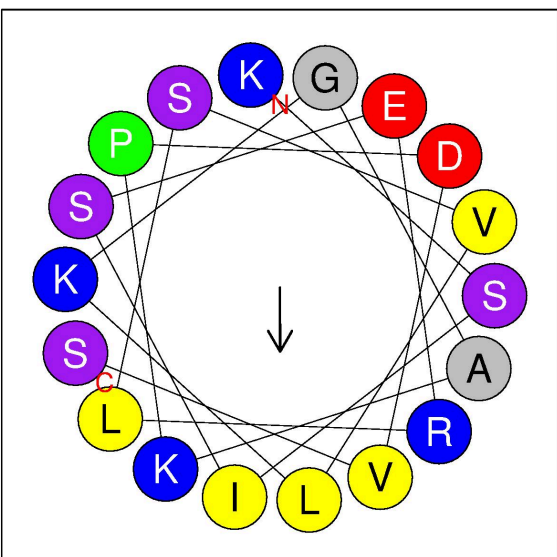
| | | |
|--|---------------------------------|-----------------------------|
| 14 LKSISERLSVLKGAKPDV 31 | | |
| Physico-chemical properties | Polar residues + GLY | Nonpolar residues |
| Hydrophobicity $\langle H \rangle$ | Polar residues + GLY (n / %) | Nonpolar residues (n / %) |
| 0.270 | 10 / 55.56 | 8 / 44.44 |
| Hydrophobic moment $\langle \mu_H \rangle$ | Uncharged residues + GLY | Aromatic residues |
| 0.341 | SER 3, GLY 1 | |
| Net charge z | Charged residues | Special residues |
| 2 | LYS 3, ARG 1, GLU 1, ASP 1, | CYS 0, PRO 1 |
| | Hydrophobic face : none | |
| Go to screening | Manual mutation | GA mutation |

Click to enlarge



| | | |
|--|---------------------------------|-----------------------------|
| 15 KSISERLSVLKGAKPDVS 32 | | |
| Physico-chemical properties | Polar residues + GLY | Nonpolar residues |
| Hydrophobicity $\langle H \rangle$ | Polar residues + GLY (n / %) | Nonpolar residues (n / %) |
| 0.173 | 11 / 61.11 | 7 / 38.89 |
| Hydrophobic moment $\langle \mu_H \rangle$ | Uncharged residues + GLY | Aromatic residues |
| 0.299 | SER 4, GLY 1 | |
| Net charge z | Charged residues | Special residues |
| 2 | LYS 3, ARG 1, GLU 1, ASP 1, | CYS 0, PRO 1 |
| | Hydrophobic face : none | |
| Go to screening | Manual mutation | GA mutation |

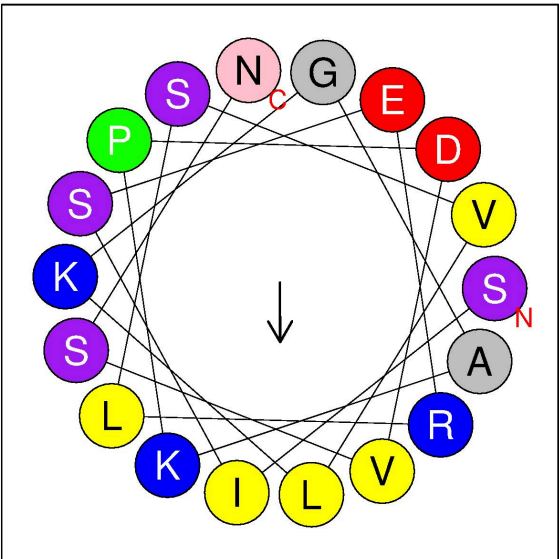
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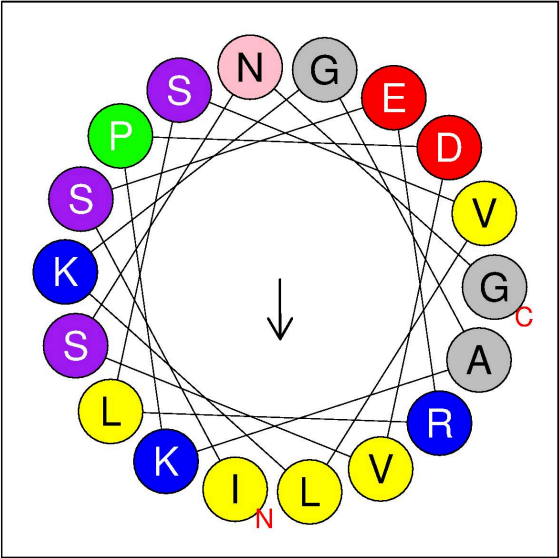
| | | |
|------------------------------------|------------------------------|---------------------------|
| 16 SISERLSVLKGAKPDVSN 33 | | |
| Physico-chemical properties | Polar residues + GLY | Nonpolar residues |
| Hydrophobicity $\langle H \rangle$ | Polar residues + GLY (n / %) | Nonpolar residues (n / %) |
| 0.195 | 11 / 61.11 | 7 / 38.89 |

Click to enlarge

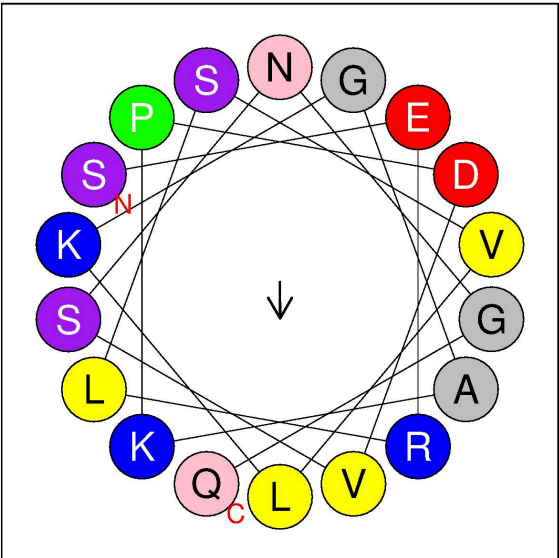
| | | |
|--|---------------------------------|-----------------------------|
| Hydrophobic moment $\langle \mu_H \rangle$ | Uncharged residues + GLY | Aromatic residues |
| 0.277 | SER 4, ASN 1, GLY 1 | |
| Net charge z | Charged residues | Special residues |
| 1 | LYS 2, ARG 1, GLU 1, ASP 1, | CYS 0, PRO 1 |
| | Hydrophobic face : none | |
| Go to screening | Manual mutation | GA mutation |



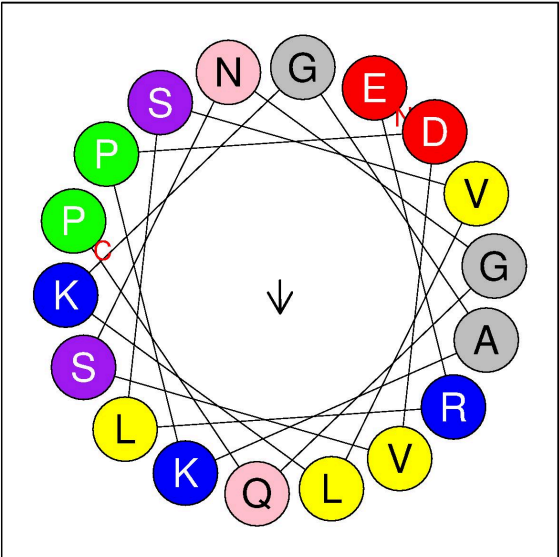
| | | |
|--|---------------------------------|-----------------------------|
| 17ISERLSVLKGAKPDVSNG34 | | |
| Physico-chemical properties | Polar residues + GLY | Nonpolar residues |
| Hydrophobicity $\langle H \rangle$ | Polar residues + GLY (n / %) | Nonpolar residues (n / %) |
| 0.197 | 11 / 61.11 | 7 / 38.89 |
| Hydrophobic moment $\langle \mu_H \rangle$ | Uncharged residues + GLY | Aromatic residues |
| 0.277 | SER 3, ASN 1, GLY 2 | |
| Net charge z | Charged residues | Special residues |
| 1 | LYS 2, ARG 1, GLU 1, ASP 1, | CYS 0, PRO 1 |
| | Hydrophobic face : none | |
| Go to screening | Manual mutation | GA mutation |



| | | |
|--|---------------------------------|-----------------------------|
| 18SERLSVLKGAKPDVSNGQ35 | | |
| Physico-chemical properties | Polar residues + GLY | Nonpolar residues |
| Hydrophobicity $\langle H \rangle$ | Polar residues + GLY (n / %) | Nonpolar residues (n / %) |
| 0.085 | 12 / 66.67 | 6 / 33.33 |
| Hydrophobic moment $\langle \mu_H \rangle$ | Uncharged residues + GLY | Aromatic residues |
| 0.169 | GLN 1, SER 3, ASN 1, GLY 2 | |
| Net charge z | Charged residues | Special residues |
| 1 | LYS 2, ARG 1, GLU 1, ASP 1, | CYS 0, PRO 1 |
| | Hydrophobic face : none | |
| Go to screening | Manual mutation | GA mutation |

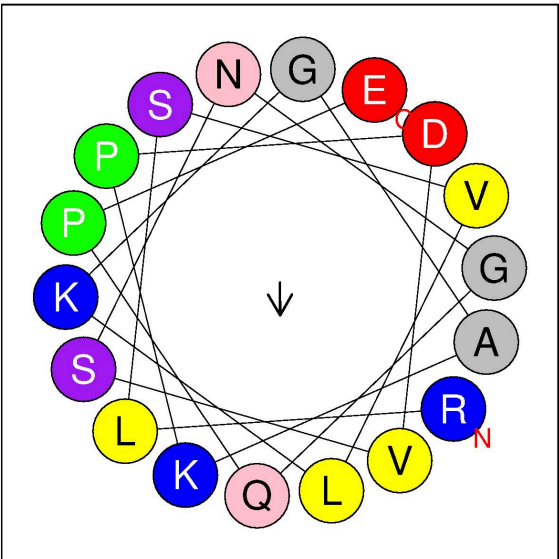


| | | |
|--|---------------------------------|-----------------------------|
| 19ERLSVLKGAKPDVSNGQP36 | | |
| Physico-chemical properties | Polar residues + GLY | Nonpolar residues |
| Hydrophobicity $\langle H \rangle$ | Polar residues + GLY (n / %) | Nonpolar residues (n / %) |
| 0.127 | 11 / 61.11 | 7 / 38.89 |
| Hydrophobic moment $\langle \mu_H \rangle$ | Uncharged residues + GLY | Aromatic residues |
| 0.153 | GLN 1, SER 2, ASN 1, GLY 2 | |
| Net charge z | Charged residues | Special residues |
| 1 | LYS 2, ARG 1, GLU 1, ASP 1, | CYS 0, PRO 2 |
| | Hydrophobic face : none | |
| Go to screening | Manual mutation | GA mutation |

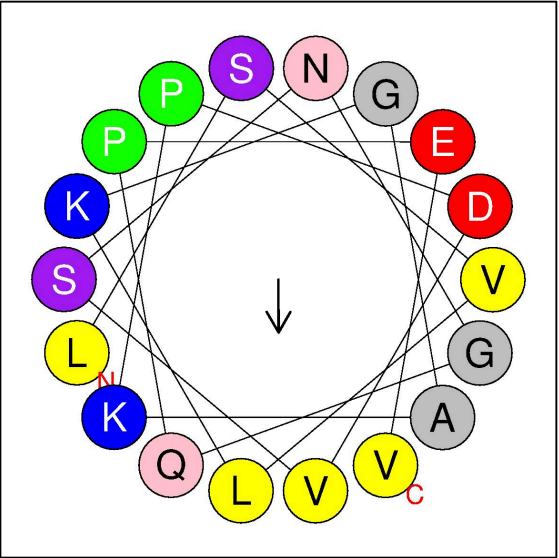


| | | |
|------------------------------------|------------------------------|---------------------------|
| 20RLSVLKGAKPDVSNGQPE37 | | |
| Physico-chemical properties | Polar residues + GLY | Nonpolar residues |
| Hydrophobicity $\langle H \rangle$ | Polar residues + GLY (n / %) | Nonpolar residues (n / %) |
| 0.127 | 11 / 61.11 | 7 / 38.89 |

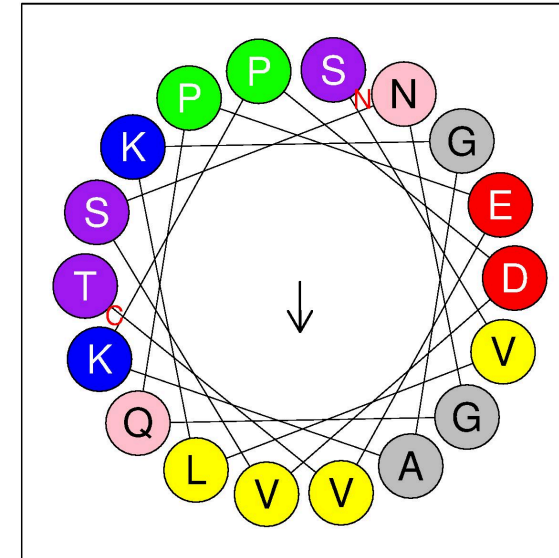
| | | |
|--|---------------------------------|-----------------------------|
| Hydrophobic moment $\langle \mu_H \rangle$ | Uncharged residues + GLY | Aromatic residues |
| 0.153 | GLN 1, SER 2, ASN 1, GLY 2 | |
| Net charge z | Charged residues | Special residues |
| 1 | LYS 2, ARG 1, GLU 1, ASP 1, | CYS 0, PRO 2 |
| | Hydrophobic face : none | |
| Go to screening | Manual mutation | GA mutation |



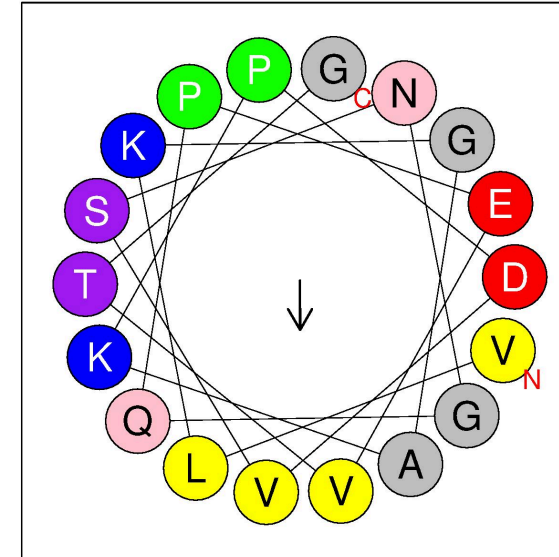
| 21LSVLKGAKPDVSNGQPEV38 | | |
|--|---------------------------------|-----------------------------|
| Physico-chemical properties | Polar residues + GLY | Nonpolar residues |
| Hydrophobicity $\langle H \rangle$ | Polar residues + GLY (n / %) | Nonpolar residues (n / %) |
| 0.251 | 10 / 55.56 | 8 / 44.44 |
| Hydrophobic moment $\langle \mu_H \rangle$ | Uncharged residues + GLY | Aromatic residues |
| 0.247 | GLN 1, SER 2, ASN 1, GLY 2 | |
| Net charge z | Charged residues | Special residues |
| 0 | LYS 2, GLU 1, ASP 1, | CYS 0, PRO 2 |
| Hydrophobic face : V G A V V L | | |
| Go to screening | Manual mutation | GA mutation |



| 22SVLKGAKPDVSNGQPEVT39 | | |
|--|-----------------------------------|-----------------------------|
| Physico-chemical properties | Polar residues + GLY | Nonpolar residues |
| Hydrophobicity $\langle H \rangle$ | Polar residues + GLY (n / %) | Nonpolar residues (n / %) |
| 0.171 | 11 / 61.11 | 7 / 38.89 |
| Hydrophobic moment $\langle \mu_H \rangle$ | Uncharged residues + GLY | Aromatic residues |
| 0.232 | GLN 1, SER 2, THR 1, ASN 1, GLY 2 | |
| Net charge z | Charged residues | Special residues |
| 0 | LYS 2, GLU 1, ASP 1, | CYS 0, PRO 2 |
| Hydrophobic face : V G A V V L | | |
| Go to screening | Manual mutation | GA mutation |



| 23VLKGAKPDVSNGQPEVTG40 | | |
|--|-----------------------------------|-----------------------------|
| Physico-chemical properties | Polar residues + GLY | Nonpolar residues |
| Hydrophobicity $\langle H \rangle$ | Polar residues + GLY (n / %) | Nonpolar residues (n / %) |
| 0.173 | 11 / 61.11 | 7 / 38.89 |
| Hydrophobic moment $\langle \mu_H \rangle$ | Uncharged residues + GLY | Aromatic residues |
| 0.230 | GLN 1, SER 1, THR 1, ASN 1, GLY 3 | |
| Net charge z | Charged residues | Special residues |
| 0 | LYS 2, GLU 1, ASP 1, | CYS 0, PRO 2 |
| Hydrophobic face : V G A V V L | | |
| Go to screening | Manual mutation | GA mutation |



| 24LKGAKPDVSNGQPEVTGE41 | | |
|------------------------------------|------------------------------|---------------------------|
| Physico-chemical properties | Polar residues + GLY | Nonpolar residues |
| Hydrophobicity $\langle H \rangle$ | Polar residues + GLY (n / %) | Nonpolar residues (n / %) |
| 0.070 | 12 / 66.67 | 6 / 33.33 |

Hydrophobic moment $\langle \mu_H \rangle$

0.219

Net charge z

-1

[Go to screening](#)

Uncharged residues + GLY

GLN 1, SER 1, THR 1, ASN 1, GLY 3

Charged residues

LYS 2, GLU 2, ASP 1,

Hydrophobic face : none

[Manual mutation](#)

Aromatic residues

Special residues

CYS 0, PRO 2

[GA mutation](#)

25KGAKPDVSNGQPEVTGEP42

Physico-chemical properties

Hydrophobicity $\langle H \rangle$

0.016

Hydrophobic moment $\langle \mu_H \rangle$

0.165

Net charge z

-1

[Go to screening](#)

Polar residues + GLY

Polar residues + GLY (n / %)

12 / 66.67

Uncharged residues + GLY

GLN 1, SER 1, THR 1, ASN 1, GLY 3

Charged residues

LYS 2, GLU 2, ASP 1,

Hydrophobic face : none

[Manual mutation](#)

Nonpolar residues

Nonpolar residues (n / %)

6 / 33.33

Aromatic residues

Special residues

CYS 0, PRO 3

[GA mutation](#)

26GAKPDVSNGQPEVTGEPV43

Physico-chemical properties

Hydrophobicity $\langle H \rangle$

0.138

Hydrophobic moment $\langle \mu_H \rangle$

0.181

Net charge z

-2

[Go to screening](#)

Polar residues + GLY

Polar residues + GLY (n / %)

11 / 61.11

Uncharged residues + GLY

GLN 1, SER 1, THR 1, ASN 1, GLY 3

Charged residues

LYS 1, GLU 2, ASP 1,

Hydrophobic face : none

[Manual mutation](#)

Nonpolar residues

Nonpolar residues (n / %)

7 / 38.89

Aromatic residues

Special residues

CYS 0, PRO 3

[GA mutation](#)

27AKPDVSNGQPEVTGEPVE44

Physico-chemical properties

Hydrophobicity $\langle H \rangle$

0.103

Hydrophobic moment $\langle \mu_H \rangle$

0.215

Net charge z

-3

[Go to screening](#)

Polar residues + GLY

Polar residues + GLY (n / %)

11 / 61.11

Uncharged residues + GLY

GLN 1, SER 1, THR 1, ASN 1, GLY 2

Charged residues

LYS 1, GLU 3, ASP 1,

Hydrophobic face : none

[Manual mutation](#)

Nonpolar residues

Nonpolar residues (n / %)

7 / 38.89

Aromatic residues

Special residues

CYS 0, PRO 3

[GA mutation](#)

28KPDVSNGQPEVTGEPVEL45

Physico-chemical properties

Hydrophobicity $\langle H \rangle$

0.180

[Go to screening](#)

Polar residues + GLY

Polar residues + GLY (n / %)

11 / 61.11

Uncharged residues + GLY

Charged residues

Hydrophobic face : none

[Manual mutation](#)

Nonpolar residues

Nonpolar residues (n / %)

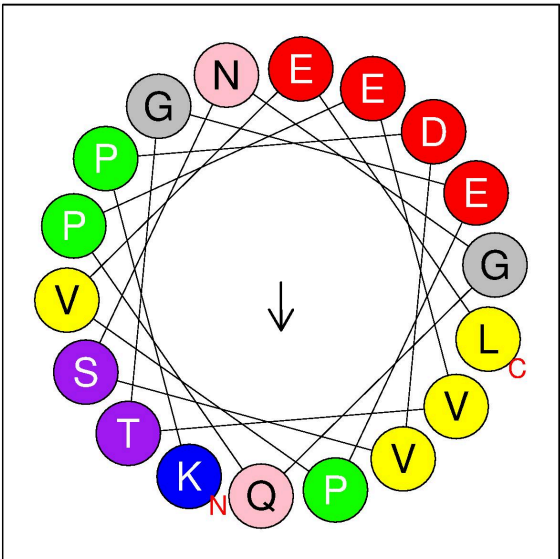
7 / 38.89

Aromatic residues

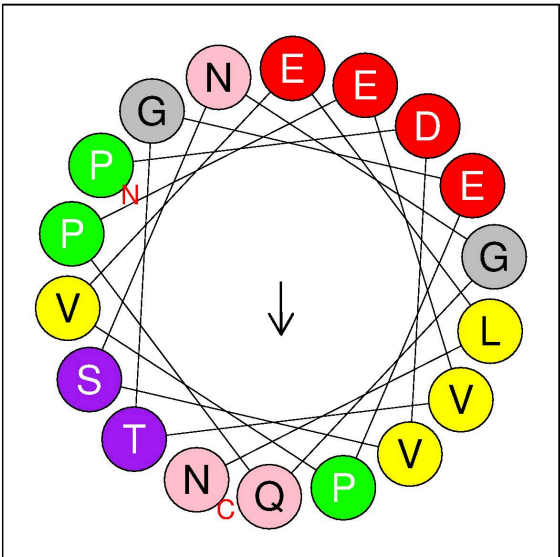
Special residues

[GA mutation](#)

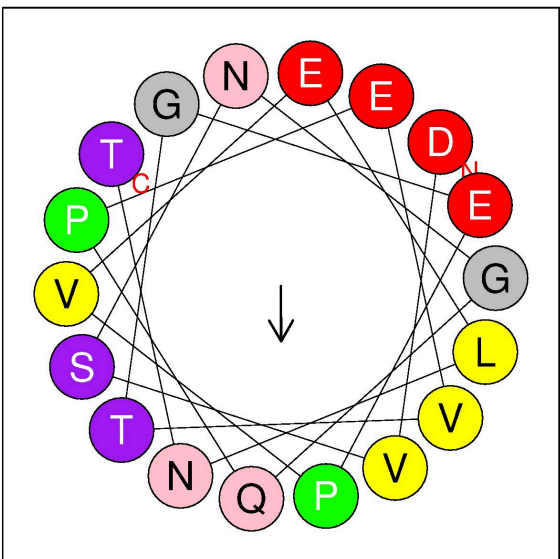
| | | |
|--|-----------------------------------|-----------------------------|
| Hydrophobic moment $\langle \mu_H \rangle$ | Uncharged residues + GLY | Aromatic residues |
| 0.222 | GLN 1, SER 1, THR 1, ASN 1, GLY 2 | |
| Net charge z | Charged residues | Special residues |
| -3 | LYS 1, GLU 3, ASP 1, | CYS 0, PRO 3 |
| | Hydrophobic face : none | |
| Go to screening | Manual mutation | GA mutation |



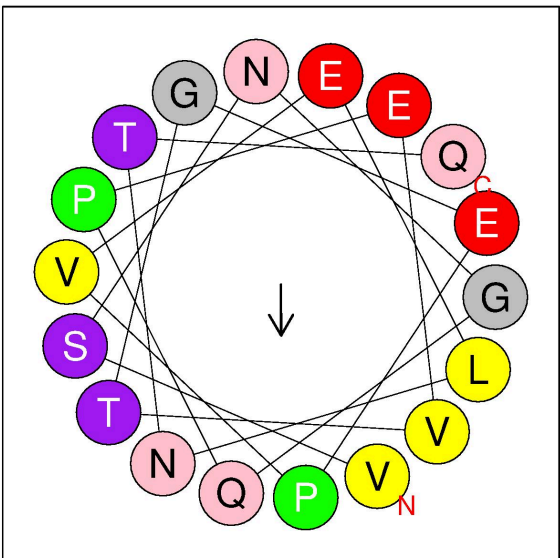
| | | |
|--|-----------------------------------|-----------------------------|
| 29PDVSNGQPEVTGEPVELN46 | | |
| Physico-chemical properties | Polar residues + GLY | Nonpolar residues |
| Hydrophobicity $\langle H \rangle$ | Polar residues + GLY (n / %) | Nonpolar residues (n / %) |
| 0.202 | 11 / 61.11 | 7 / 38.89 |
| Hydrophobic moment $\langle \mu_H \rangle$ | Uncharged residues + GLY | Aromatic residues |
| 0.242 | GLN 1, SER 1, THR 1, ASN 2, GLY 2 | |
| Net charge z | Charged residues | Special residues |
| -4 | GLU 3, ASP 1, | CYS 0, PRO 3 |
| | Hydrophobic face : none | |
| Go to screening | Manual mutation | GA mutation |



| | | |
|--|-----------------------------------|-----------------------------|
| 30DVSNGQPEVTGEPVELNT47 | | |
| Physico-chemical properties | Polar residues + GLY | Nonpolar residues |
| Hydrophobicity $\langle H \rangle$ | Polar residues + GLY (n / %) | Nonpolar residues (n / %) |
| 0.176 | 12 / 66.67 | 6 / 33.33 |
| Hydrophobic moment $\langle \mu_H \rangle$ | Uncharged residues + GLY | Aromatic residues |
| 0.257 | GLN 1, SER 1, THR 2, ASN 2, GLY 2 | |
| Net charge z | Charged residues | Special residues |
| -4 | GLU 3, ASP 1, | CYS 0, PRO 2 |
| | Hydrophobic face : none | |
| Go to screening | Manual mutation | GA mutation |



| | | |
|--|-----------------------------------|-----------------------------|
| 31VSNGQPEVTGEPVELNTQ48 | | |
| Physico-chemical properties | Polar residues + GLY | Nonpolar residues |
| Hydrophobicity $\langle H \rangle$ | Polar residues + GLY (n / %) | Nonpolar residues (n / %) |
| 0.207 | 12 / 66.67 | 6 / 33.33 |
| Hydrophobic moment $\langle \mu_H \rangle$ | Uncharged residues + GLY | Aromatic residues |
| 0.238 | GLN 2, SER 1, THR 2, ASN 2, GLY 2 | |
| Net charge z | Charged residues | Special residues |
| -3 | GLU 3, | CYS 0, PRO 2 |
| | Hydrophobic face : none | |
| Go to screening | Manual mutation | GA mutation |



| | | |
|------------------------------------|------------------------------|---------------------------|
| 32SNGQPEVTGEPVELNTQA49 | | |
| Physico-chemical properties | Polar residues + GLY | Nonpolar residues |
| Hydrophobicity $\langle H \rangle$ | Polar residues + GLY (n / %) | Nonpolar residues (n / %) |
| 0.156 | 12 / 66.67 | 6 / 33.33 |

Hydrophobic moment $\langle \mu_H \rangle$
0.194
Net charge z
-3

Uncharged residues + GLY
GLN 2, SER 1, THR 2, ASN 2, GLY 2
Charged residues
GLU 3,
Hydrophobic face : none

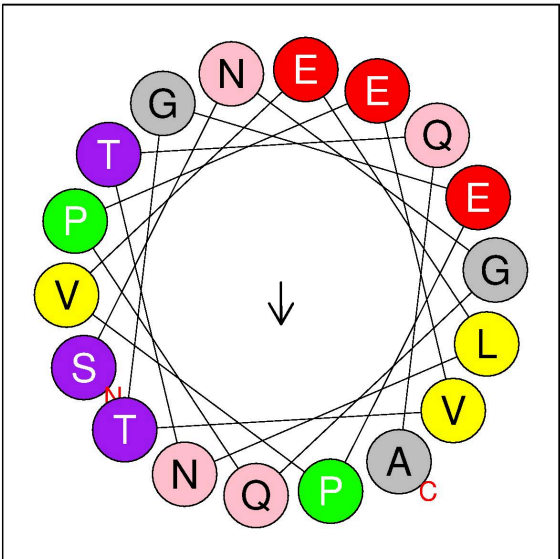
Aromatic residues

Special residues
CYS 0, PRO 2

[Go to screening](#)

[Manual mutation](#)

[GA mutation](#)



33NGQPEVTGEPVELNTQAL50

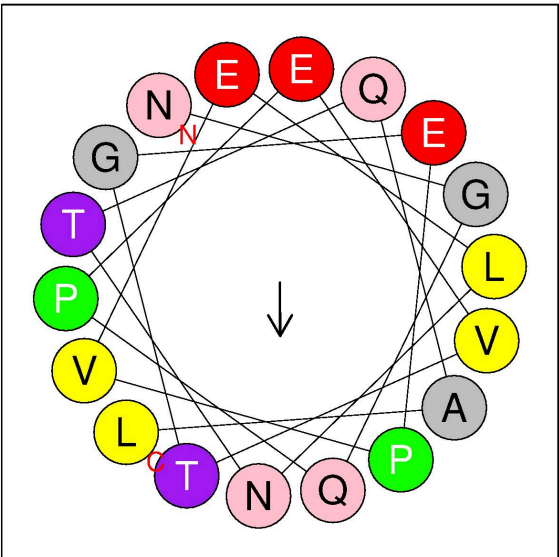
[Click to enlarge](#)

| Physico-chemical properties | Polar residues + GLY | Nonpolar residues |
|---|--|--|
| Hydrophobicity $\langle H \rangle$ 0.253 | Polar residues + GLY (n / %) 11 / 61.11 | Nonpolar residues (n / %) 7 / 38.89 |
| Hydrophobic moment $\langle \mu_H \rangle$ 0.249 | Uncharged residues + GLY GLN 2, THR 2, ASN 2, GLY 2 | Aromatic residues |
| Net charge z -3 | Charged residues GLU 3, Hydrophobic face : none | Special residues CYS 0, PRO 2 |

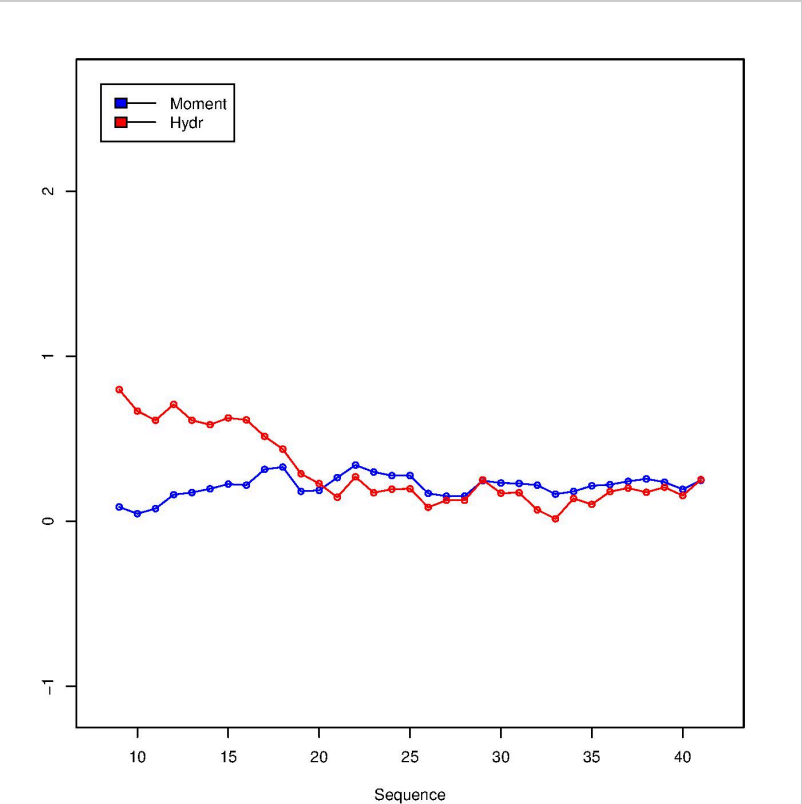
[Go to screening](#)

[Manual mutation](#)

[GA mutation](#)



Hydrophobicity and Hydrophobic moment



Data file (in txt format):

[Data.txt](#)

