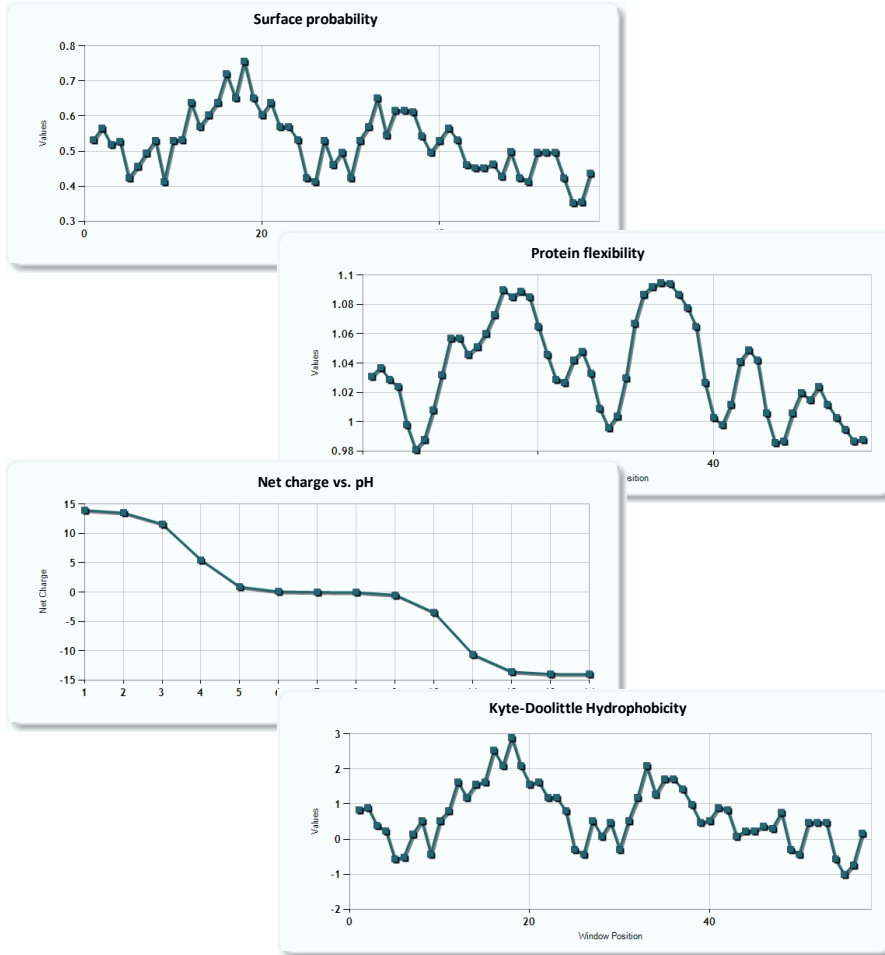


Graphical representation



Secondary structure prediction



Intended Usage

- ▶ Customer engagement: Showcase your expertise on your website & enhance customer experience
- ▶ Research and production: Enable your team to design more specific peptides

Delivery & License Model

- ▶ Hosted on your server
- ▶ Perpetual, server based license/ Unlimited browser based users
- ▶ Seamless integration with your website

Modifications

- N and C-Terminal
- Non-standard residues
- Other/Internal modifications
- Isotope additions:
 - ^{13}C , ^{15}N , ^{18}O , ^{34}S , ^2H

Physico-chemical Properties

- No. of residues
- Chemical formula
- Molecular weight
- Extinction co-efficient
- Hydrophobicity
- Charge
- Sequence composition
- Amino acid composition
- Isoelectric point
- Net charge
- Net charge Vs. pH plot

Prediction Tools

- Amphiphilicity helix
- Chou-Fasman secondary structure
- GOR-I secondary structure
- Argos transmembrane region
- von Heijne transmembrane region
- Surface probability
- Protein flexibility

Antigenicity, Hydrophobicity & Hydrophilicity Plots

- Hydrophobicity plots
 - Kyte-Doolittle
 - Janin
 - Fauchere
 - Manavalan
 - Sweet / Eisenberg
- Hydrophilicity plots
 - Goldman, Engelberg and Steitz
 - von Heijne
- Antigenicity plots
 - Parker
 - Hopp-Woods
 - Welling
 - Protrusion index (Thornton)

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