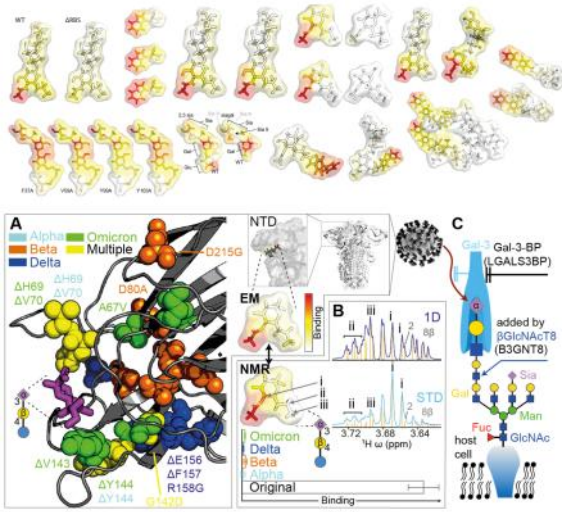
PROJECT NUMBER

20887

uSTA- Software for analysing saturation transfer difference NMR data

uSTA is a University of Oxford software platform for analysing saturation transfer difference NMR data, designed to reveal and quantify how ligands bind to challenging biological targets.

Applications: NMR Data, saturation transfer difference, software



Features	Benefits
Automated STD-NMR workflow	uSTA is suited to complex systems such as heavily glycosylated, post-translationally modified or pathogen-derived proteins that can be challenging for conventional biophysical workflows
Advanced peak picking and deconvolution	Automated peak detection, deconvolution and quantitative modelling reduce reliance on subjective manual interpretation
Quantitative binding analysis	Accelerates discovery programmes

Features	Benefits
The platform generates atom-level transfer-efficiency maps and ligand binding-pose heat maps, helping users interpret which parts of a ligand contact the protein	Extends the value of existing NMR infrastructure

Patented and Available for

- Co-development
- Consulting
- Licensing

To find out more, contact enquiries@innovation.ox.ac.uk and quote the project number.

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