

### BioJS in Action

Biological visualisation with existing components





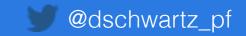






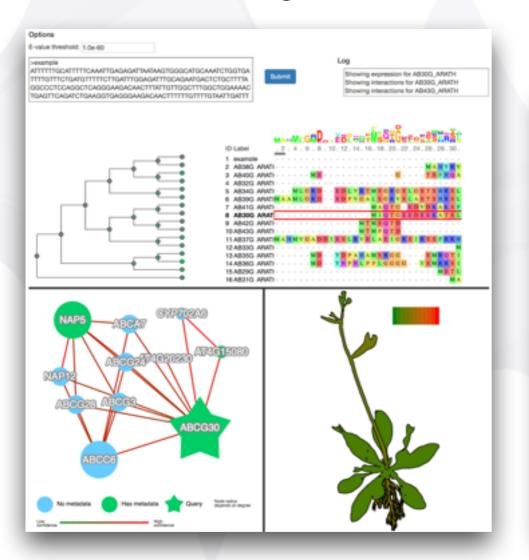




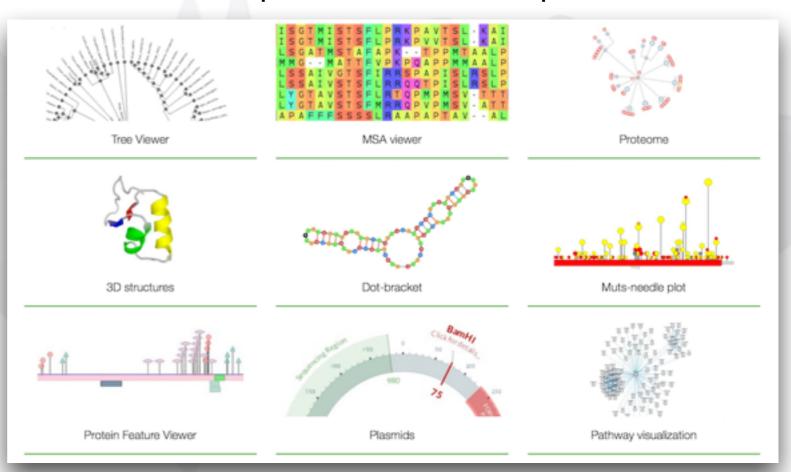




#### **VAPoR**



#### Component examples



http://vapor.biojs.tgac.ac.uk















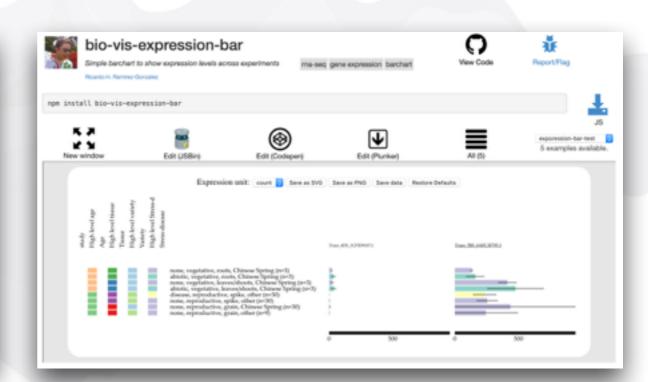




#### Component Registry

#### BIVO REGISTRY . Submit . Wish a component . Stats . L. About us e.g. proteins Component biocider cas # 2 a day ago Carlos Horro Contextualisation InDEx for biological Resources discovery: Contextualised visualisation of ELDOR training materials, e., ELIXIR IAnn TeSS context bioinformatics client util cytoscape 26.4 2 days ago Max Franz Graph theory (a.k.a. network) library for analysis and visualisation... graph graph-theory network node edge vertex link analysis visualisation visualization requirejs amd commonjs npm nodejs genomediff 174 3 days ago Roland Groza Parses strings from files in the GenomeDiff format generated by the breeg variant caller for haploid microbial organism... genomediff gd biology laboratory genome sequencing parser

#### Distributed via npm & git



www.biojs.io

Detail view



















# www.biojs.net









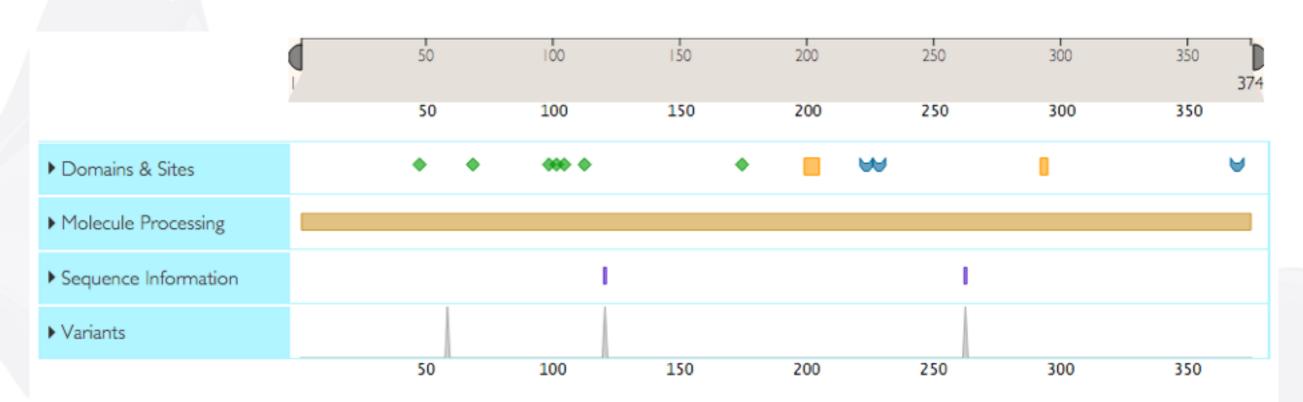


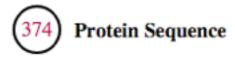






### Final Result





1 MGTAGKVIKC KAAVLWGVNQ PFSIEEIEVA PPKAKEVRVK ILATGICRTD DHIIKGSMVS KFPVIVGHEA VGVVESVGEG VTTVRPGDKV IPLFLPQCRE

101 CNACLNPEGN LCIRSDLTGR GVLADGTTRF TCKGKPVQHF MNTSTFTEYT VLDESSVAKV DGAAPPEKAC LIGCGFSTGY GAAVKTAKVT PGSTCVVFGL

201 GGVGLSVIMG CKAAGASRII GIDINKDKFQ KALAVGATEC ISPKDSTKPI SEVLSDMTGN TIQYTFEVIG RLETMVDALS SCHMNYGTSV VVGAPPSAKM 301 LTYDPMLLFT GRTWKGCVFG GWKSRDDVPK LVTEFLEKKF DLDQLITHTL PFNNINEGFE LLYSGKSIRT VLTF















## Demo Time















# Thanks for coming!

Stay for pizza and drinks!













