

## 1.3 - *i*Pfam

This exercise will briefly show you an example from *i*Pfam.

**Move your mouse over the *i*Pfam button in the horizontal menu bar from any Pfam page and select "Browse *i*Pfam".**

Now find the urease beta domain. Explore all interactions by clicking on the number.

This takes you to a page containing a list of domains that form an interaction with the urease beta domain.

**From the top panel, select the structure 1ubp from the drop down list next to Urease alpha.**

This takes you through to a page containing a domain interaction map for the structure and links to more detailed views of the specific interaction.

**Question: What domains interact in the 1ubp, distinguishing between intrachain and interchain interactions?**

**You can investigate the interaction further "By Sequence" or "By Structure".**

**Now go back to the page containing the summary of all of the domain interaction for the urease beta domain.**

**Go down to the alignment box.**

**Select the checkbox next to "Urease gamma" and click on alignment.**

**This displays all examples of Urease beta sequences that form an interaction with Urease gamma. The coloured boxes indicate residues that form an interaction with a Urease gamma residue.**

**Question: Are the interactions all the same?**

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**End of section 3. [Next section](#)**