1. Can you find the summary page for the metalloenzyme Family? Are there any Go terms available? How many sequences and structures are present? Can you view a sequence alignment and find the histogram indicating the degree of amino acid conservation?

Yes, go term = metalloenzyme

2169 sequences and 9 structures present

Yes, less than 25% Gaps

2. Locate any proteins that contain a Leucine Rich Repeat 1 (LRR 1) and a Protein Kinase (PKinase) domain, but do not contain a Rad 4 domain. Can you find the sequences from within this group that also include a Miro domain? Can you then locate the human LRRK2 protein page, and from there link to the Miro domain Family page and then the InterPro entry?

Yes, mouse LRRK2 protein.

Yes, InterPro: IPR013684

3. How many family members does the alkaline phosphatase Clan have? In the alkaline phosphatase Family can you find the alkaline phosphatase protein page for Neurospora crassa? Does this enzyme have any Pfam predicted active sites? If so, what are the residue numbers?

It contains 8 family members

Yes. Found it.

Yes, residue numbers = 226