















































































































































Evaluation



Questions:

- How well can the types of bound ligands be predicted from the positions of protein atoms near its binding site using standard point matching algorithms?
- What types of information (element type? residue type?) must be included with the atom positions in order to get good classification performance?



• Keep all classes with at least four members























































Concl	Conclusions (3 of 4)					
The comproteins it thwar	The conformational variation of ligands bound to proteins in the PDB usually is not so great that it thwarts a rigid shape matching algorithm					
***	***		٠	*	**	*
***	**	**	*	***	100	**
19	***	**	*	2662	\$, ?	44,49

1	Conclusions (3 of 4)							
	The conformational variation of ligands bound to proteins in the PDB usually is not so great that it thwarts a rigid shape matching algorithm							
	***	* \$		•	*	**	*	
	***	240	\$	*	**	**	***	
	-	***	**	*	2462	\$,9	-	

Conclusions (3 of 4)						
The conformational variation of ligands bound to proteins in the PDB usually is not so great that it thwarts a rigid shape matching algorithm						
***	***		*	*	**	*
***	240	**	*	***	**	***
-	****	N.	k	2662	\$?	-

Conclus	ions (4 of 4)	
Considerin residue typ	g chemical properties (element type,)e) did not help in this experiment	
LigAtoms LigAtomsE SiteAtomsE SCOP CATH CE FASTA Residues Random	= 88.1% = 34.7% = 26.7% = 17.0% = 12.5% = 10.8% = 9.7% = 5.7% = 4.5%	





