

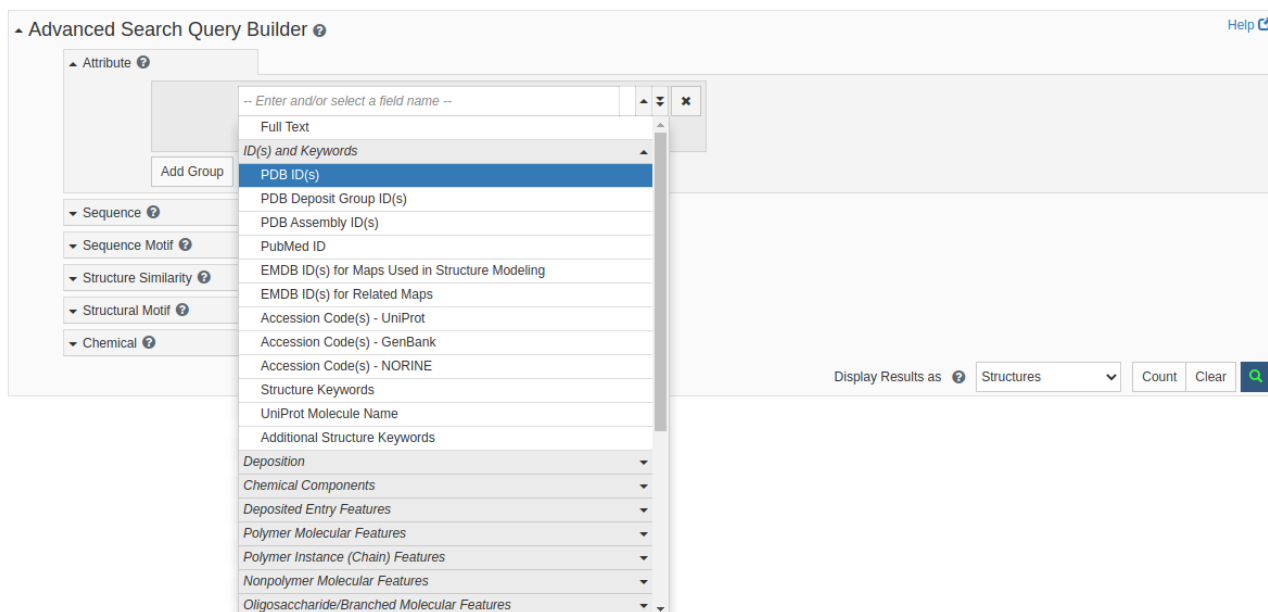
# Filtering PDB entries by experimental method and resolution using RCSB Advanced Search

- Go to the RCSB website (<https://www.rcsb.org/>)
- Click *Search* in the left panel
- Click *Advanced Search*, then *Go to Advanced Search*

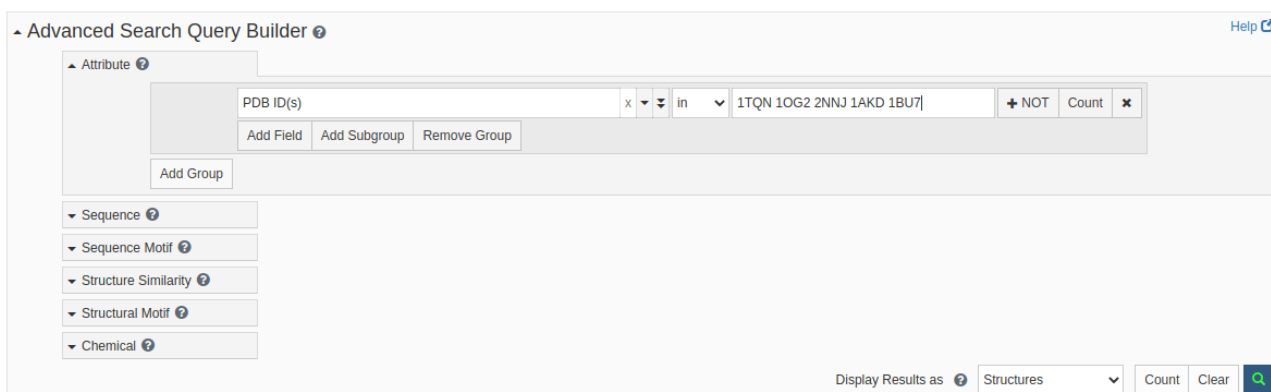
The screenshot shows the RCSB PDB website's Advanced Search Query Builder. At the top, there is a navigation bar with links for Deposit, Search, Visualize, Analyze, Download, Learn, More, and Documentation, along with a MyPDB button. Below this is the PDB logo and a search bar with the text "Enter search term(s)". The main content area is titled "Advanced Search Query Builder" and includes a help link. It features a "Attribute" section with a dropdown menu for selecting a field name, and buttons for "Add Field", "Add Subgroup", "Remove Group", and "Add Group". Below this are several filter categories: Sequence, Sequence Motif, Structure Similarity, Structural Motif, and Chemical. At the bottom right of the query builder, there are options for "Display Results as" (set to Structures), "Count", "Clear", and a search button. The footer contains links for About, Help, RCSB Partners, and wwPDB Partners, along with logos for Rutgers, UC San Diego, SDSC, and UCSF, and a note that RCSB PDB is a member of the PDB and EMDatabank.

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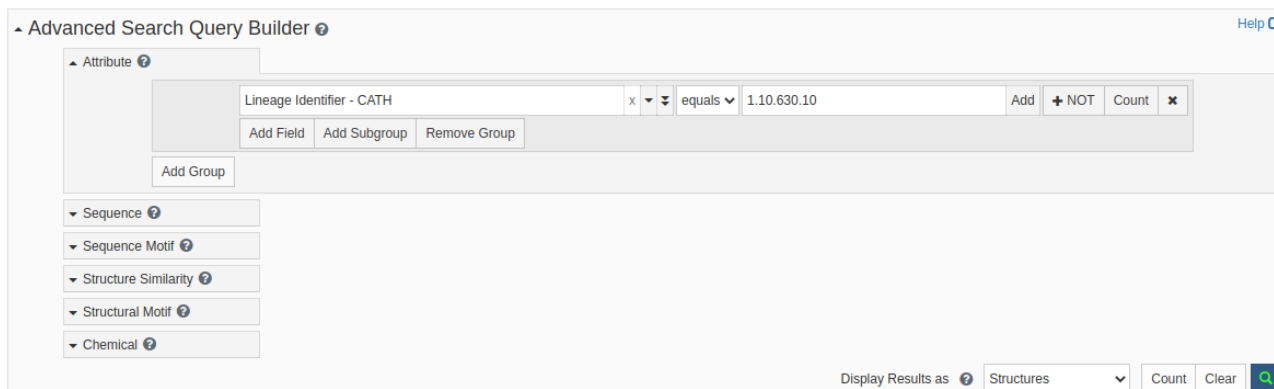
- Click in the text box and in *ID(s) and Keywords* category select *PDB ID(s)*



- Fill in the list of your PDB IDs



- Alternative to listing the PDB IDs, in *Polymer Instance (Chain) Features* category select *Lineage Identifier - CATH* or similar, and fill in the identifier



- Click *Add Field*, in *Methods* category select *Experimental Method*

- Select *X-RAY DIFFRACTION*

Advanced Search Query Builder [Help](#)

Attribute [?](#)

	PDB ID(s)	x	in	1TQN 1OG2 2NNJ 1AKD 1BU7	+ NOT	Count	x	
AND	Experimental Method	x	equals	X-RAY DIFFRACTION	Add	+ NOT	Count	x

AND / OR Add Field Add Subgroup Remove Group

Add Group

Sequence [?](#)

Sequence Motif [?](#)

Structure Similarity [?](#)

Structural Motif [?](#)

Chemical [?](#)

Display Results as [?](#) Structures [v](#) Count Clear [Q](#)

- Click *Add Field*, in *Methods* category select *Refinement Resolution*

- Change operator from = to <= and fill in the desired resolution limit

Advanced Search Query Builder [Help](#)

Attribute [?](#)

	PDB ID(s)	x	in	1TQN 1OG2 2NNJ 1AKD 1BU7	+ NOT	Count	x	
AND	Experimental Method	x	equals	X-RAY DIFFRACTION	Add	+ NOT	Count	x
AND	Refinement Resolution	x	<=	2	Å	+ NOT	Count	x

AND / OR Add Field Add Subgroup Remove Group

Add Group

Sequence [?](#)

Sequence Motif [?](#)

Structure Similarity [?](#)

Structural Motif [?](#)

Chemical [?](#)

Display Results as [?](#) Structures [v](#) Count Clear [Q](#)

- Click the search icon in the bottom right corner

- The list of results should be displayed

Refinements

Summary Gallery Compact -- Tabular Report -- | Score | Download Files  All  Selected

Displaying 1 to 2 of 2 Structures Page 1 of 1 Display 25 per page

SCIENTIFIC NAME OF SOURCE ORGANISM

*Priestia megaterium* (1)  
 *Pseudomonas putida* (1)

TAXONOMY

Bacteria (2)

EXPERIMENTAL METHOD

X-RAY DIFFRACTION (2)

POLYMER ENTITY TYPE

Protein (2)

REFINEMENT RESOLUTION (Å)

1.5 - 2.0 (2)

RELEASE DATE

1995 - 1999 (2)

ENZYME CLASSIFICATION NAME

Oxidoreductases (2)

SYMMETRY TYPE

Asymmetric (2)

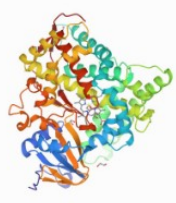
SCOP CLASSIFICATION

All alpha proteins (2)

**1BU7**

**CRYOGENIC STRUCTURE OF CYTOCHROME P450BM-3 HEME DOMAIN**  
Li, H., Poulos, T.L.  
(1999) Proc Natl Acad Sci U S A **96**: 1863-1868

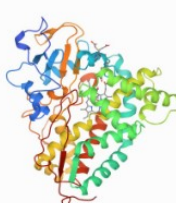
**Released** 1998-09-23  
**Method** X-RAY DIFFRACTION 1.65 Å  
**Organisms** *Priestia megaterium*  
**Macromolecule** PROTEIN (CYTOCHROME P450) (protein)  
**Unique Ligands** EDO, HEM



**1AKD**

**CYTOCHROME P450CAM FROM PSEUDOMONAS PUTIDA, COMPLEXED WITH 1S-CAMPHOR**  
Schlichting, I., Jung, C., Schulze, H.  
(1997) FEBS Lett **415**: 253-257

**Released** 1997-11-19  
**Method** X-RAY DIFFRACTION 1.8 Å  
**Organisms** *Pseudomonas putida*  
**Macromolecule** CYTOCHROME P450CAM (protein)  
**Unique Ligands** CAM, HEM, K



Displaying 1 to 2 of 2 Structures Page 1 of 1 Display 25 per page

- A simple list of PDB IDs can be retrieved by clicking the *Tabular Report* box and selecting *PDB IDs*

Refinements

Return to Search Results Tabular Report **PDB IDs** | Score | Download IDs  | Display IDs

Displaying 1 to 2 of 2 Structures Page 1 of 1 Display 25 per page

**PDB IDs Report**

1BU7, 1AKD