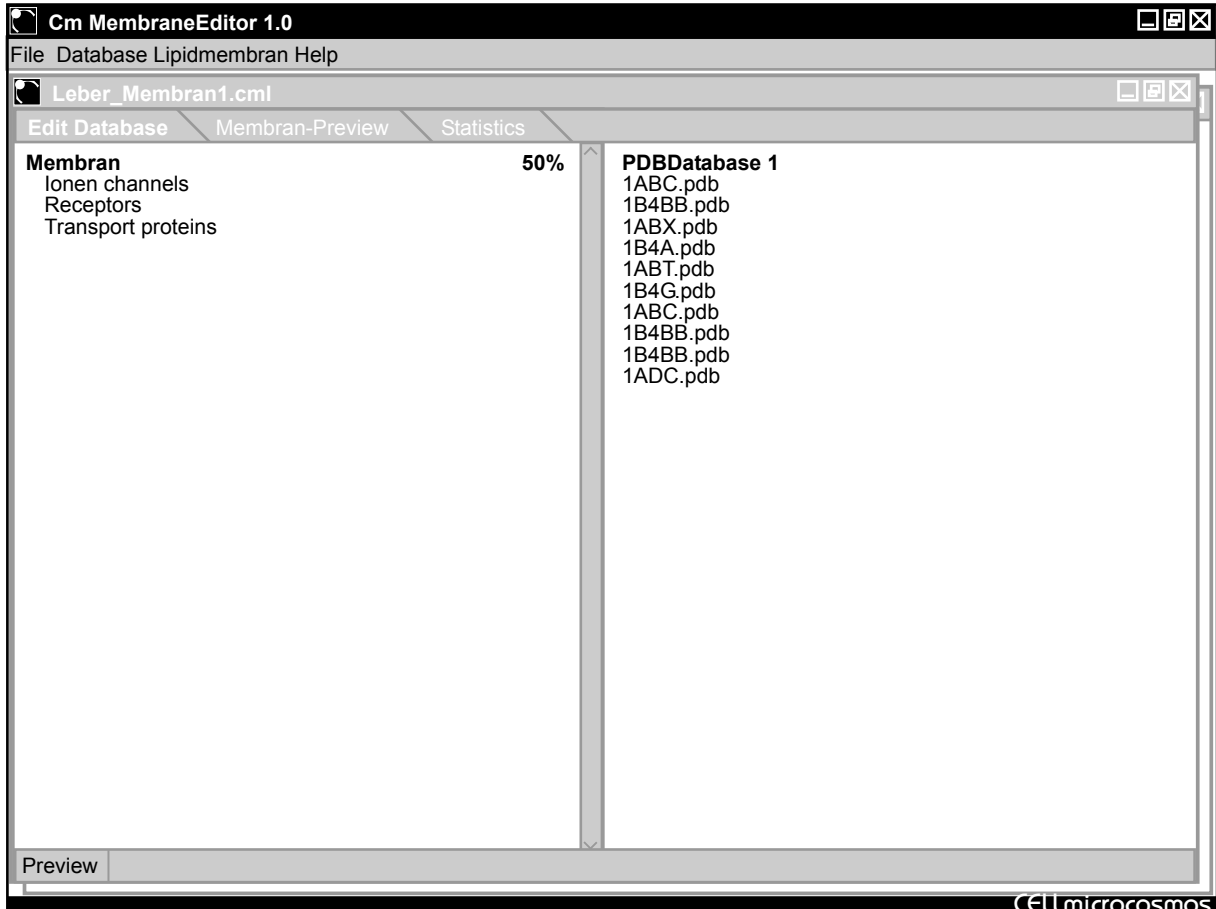
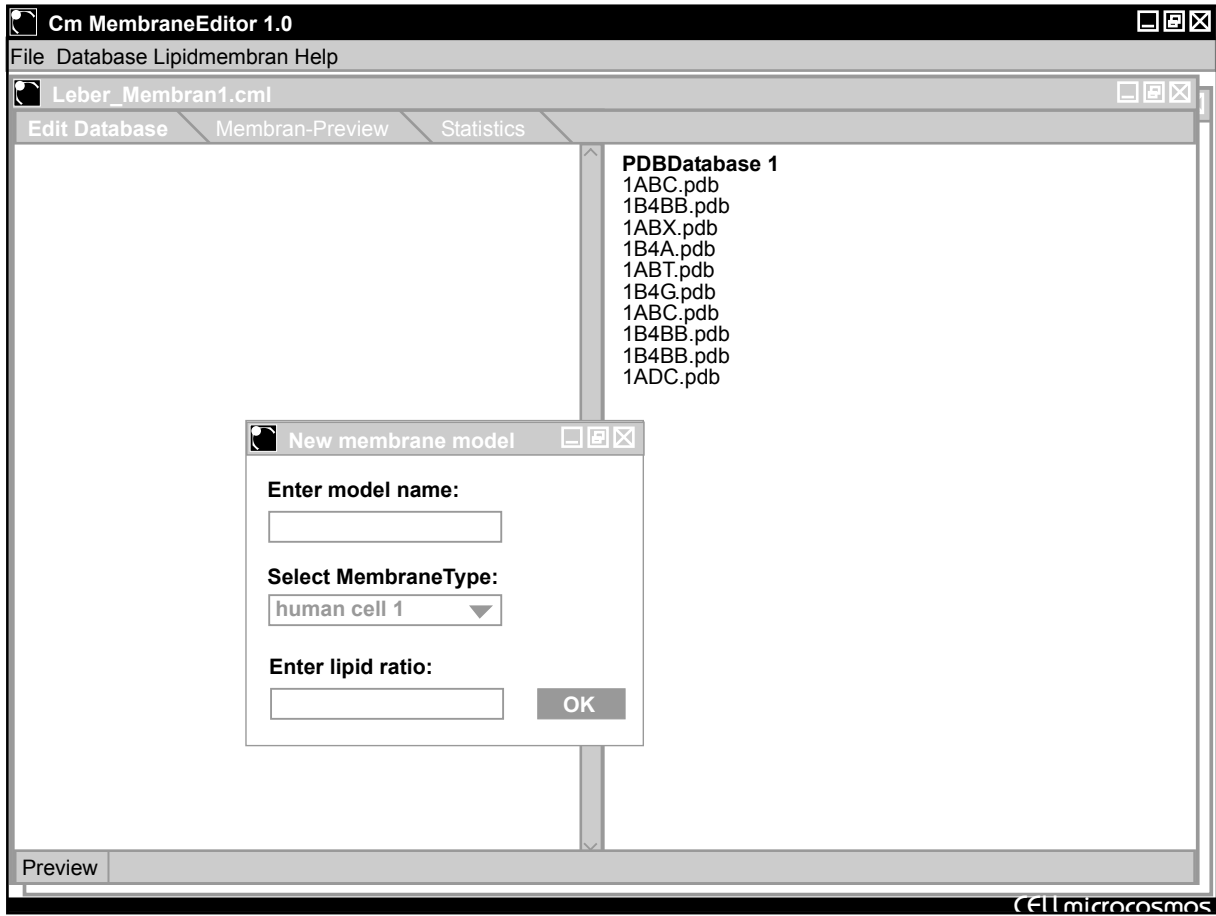
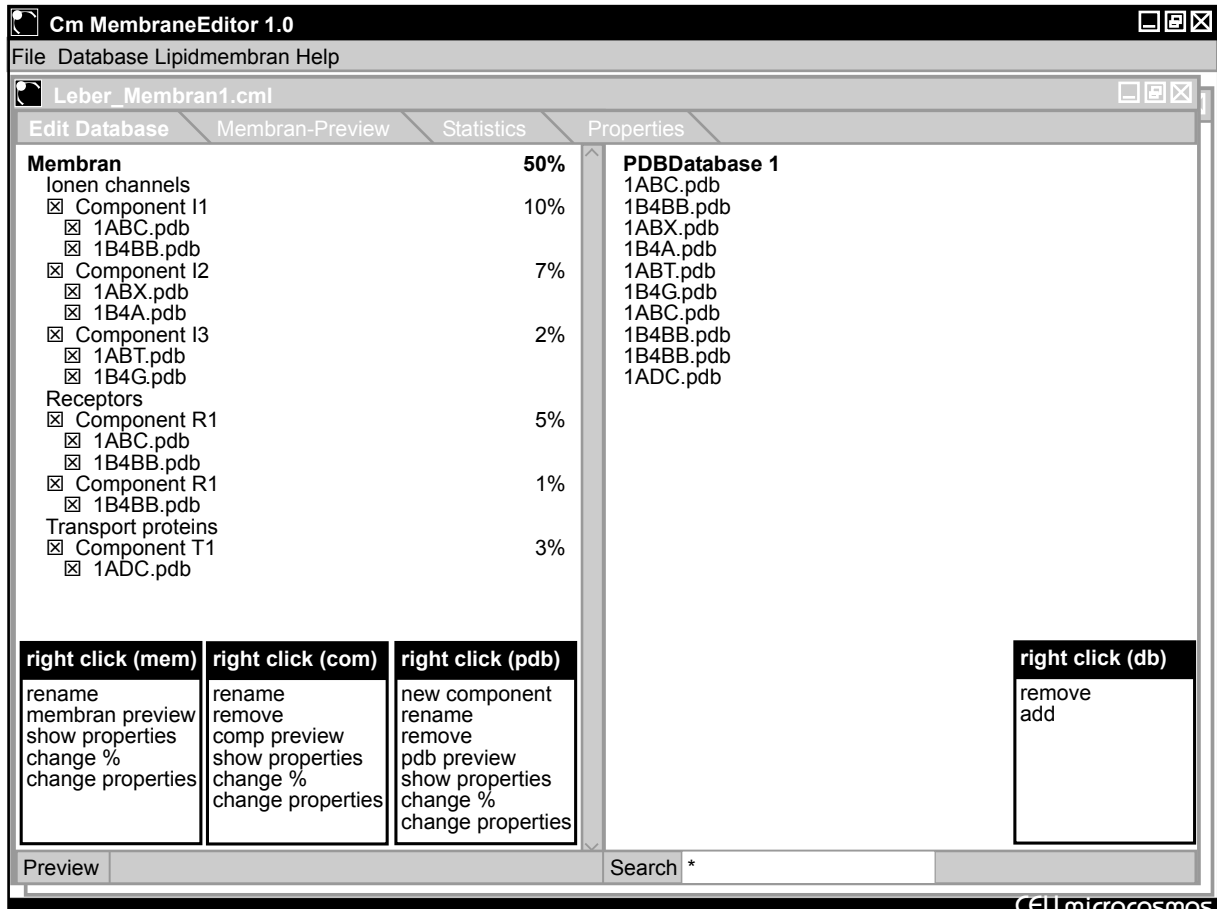
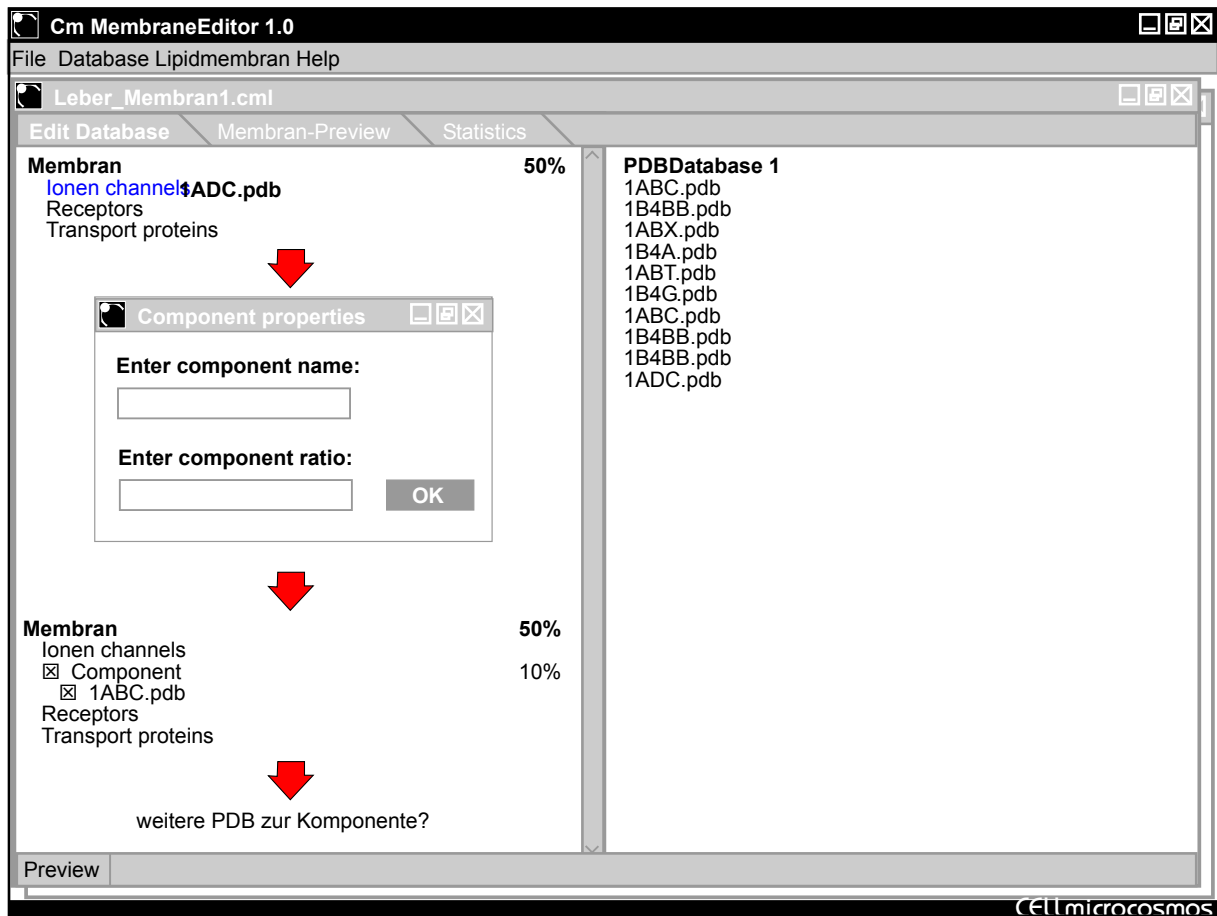


Cm MembranEditor 1.2



Cm MembranEditor 1.2



= Highlight = Not highlighted

Cm MembraneEditor 1.2

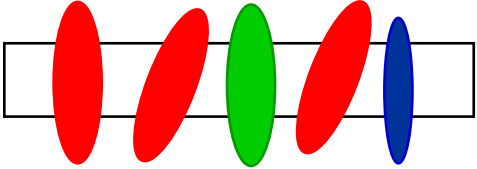
Cm MembraneEditor 1.0

File Database Lipidmembran Help

Leber_Membran1.cml

Edit Database Membran-Preview Statistics Properties

Membran	50%
Ion channels	
<input checked="" type="checkbox"/> Component I1	10%
<input checked="" type="checkbox"/> 1ABC.pdb	
<input checked="" type="checkbox"/> 1B4BB.pdb	
<input checked="" type="checkbox"/> Component I2	7%
<input checked="" type="checkbox"/> 1ABX.pdb	
<input checked="" type="checkbox"/> 1B4A.pdb	
<input checked="" type="checkbox"/> Component I3	2%
<input checked="" type="checkbox"/> 1ABT.pdb	
<input checked="" type="checkbox"/> 1B4G.pdb	
Receptors	
<input checked="" type="checkbox"/> Component R1	5%
<input checked="" type="checkbox"/> 1ABC.pdb	
<input checked="" type="checkbox"/> 1B4BB.pdb	
<input checked="" type="checkbox"/> Component R1	1%
<input checked="" type="checkbox"/> 1B4BB.pdb	
Transport proteins	
<input checked="" type="checkbox"/> Component T1	3%
<input checked="" type="checkbox"/> 1ADC.pdb	



Preview

CELLmicrocosmos

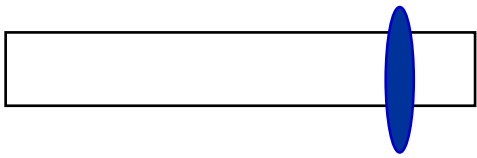
Cm MembraneEditor 1.0

File Database Lipidmembrane Help

Leber_Membran1.cml

Edit Database Membran-Preview Statistics Properties

Membran	50%
Ion channels	
<input checked="" type="checkbox"/> Component I1	10%
<input checked="" type="checkbox"/> 1ABC.pdb	
<input checked="" type="checkbox"/> 1B4BB.pdb	
<input checked="" type="checkbox"/> Component I2	7%
<input checked="" type="checkbox"/> 1ABX.pdb	
<input checked="" type="checkbox"/> 1B4A.pdb	
<input checked="" type="checkbox"/> Component I3	2%
<input checked="" type="checkbox"/> 1ABT.pdb	
<input checked="" type="checkbox"/> 1B4G.pdb	
Receptors	
<input checked="" type="checkbox"/> Component R1	5%
<input checked="" type="checkbox"/> 1ABC.pdb	
<input checked="" type="checkbox"/> 1B4BB.pdb	
<input checked="" type="checkbox"/> Component R1	1%
<input checked="" type="checkbox"/> 1B4BB.pdb	
Transport proteins	
<input checked="" type="checkbox"/> Component T1	3%
<input checked="" type="checkbox"/> 1ADC.pdb	



Preview

CELLmicrocosmos

Cm MembranEditor 1.2

The screenshot displays the Cm MembraneEditor 1.0 software interface. The main window is titled 'Leber_Membran1.cml' and contains a list of membrane components and their respective percentages. The components are categorized into Membran, Ionen channels, Receptors, and Transport proteins. A 'PDB view' button is visible in the center of the main area.

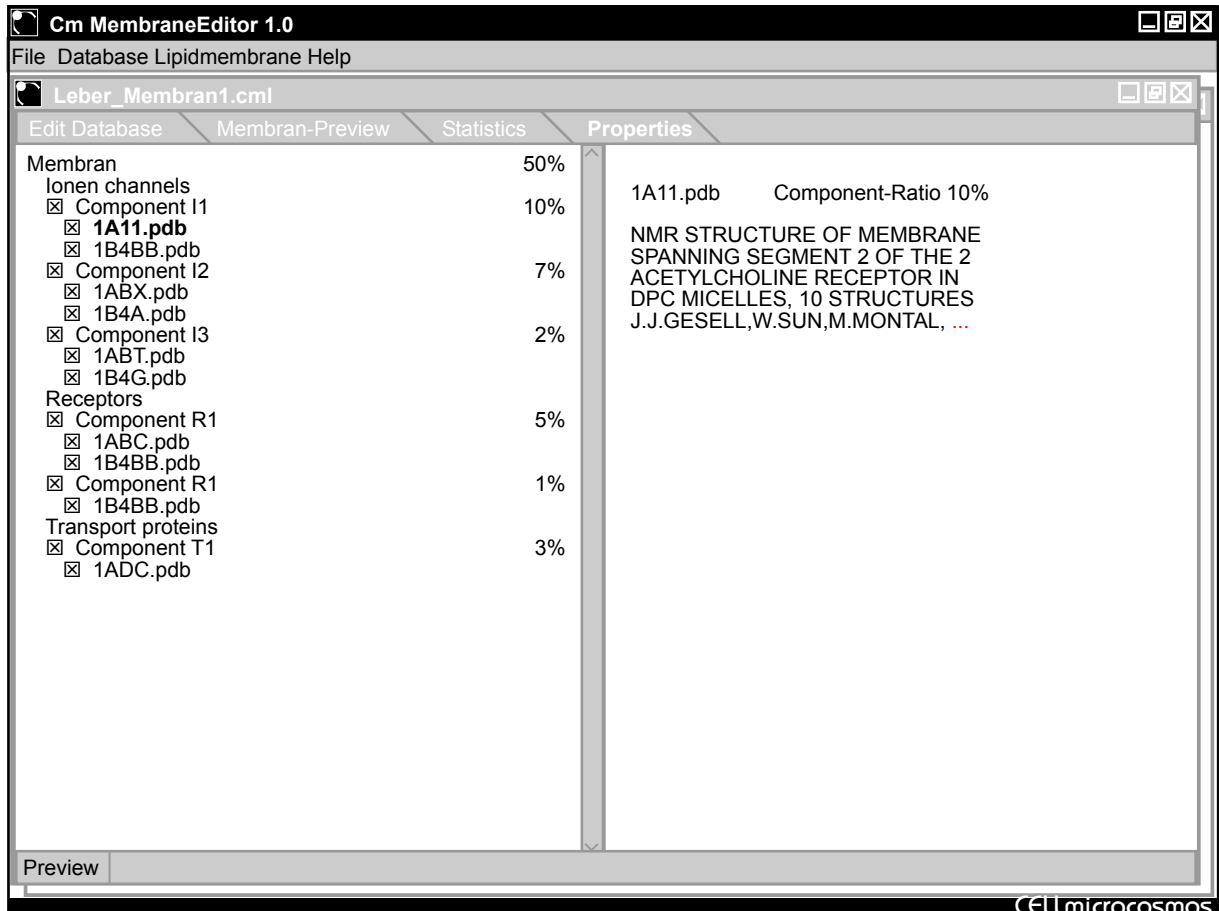
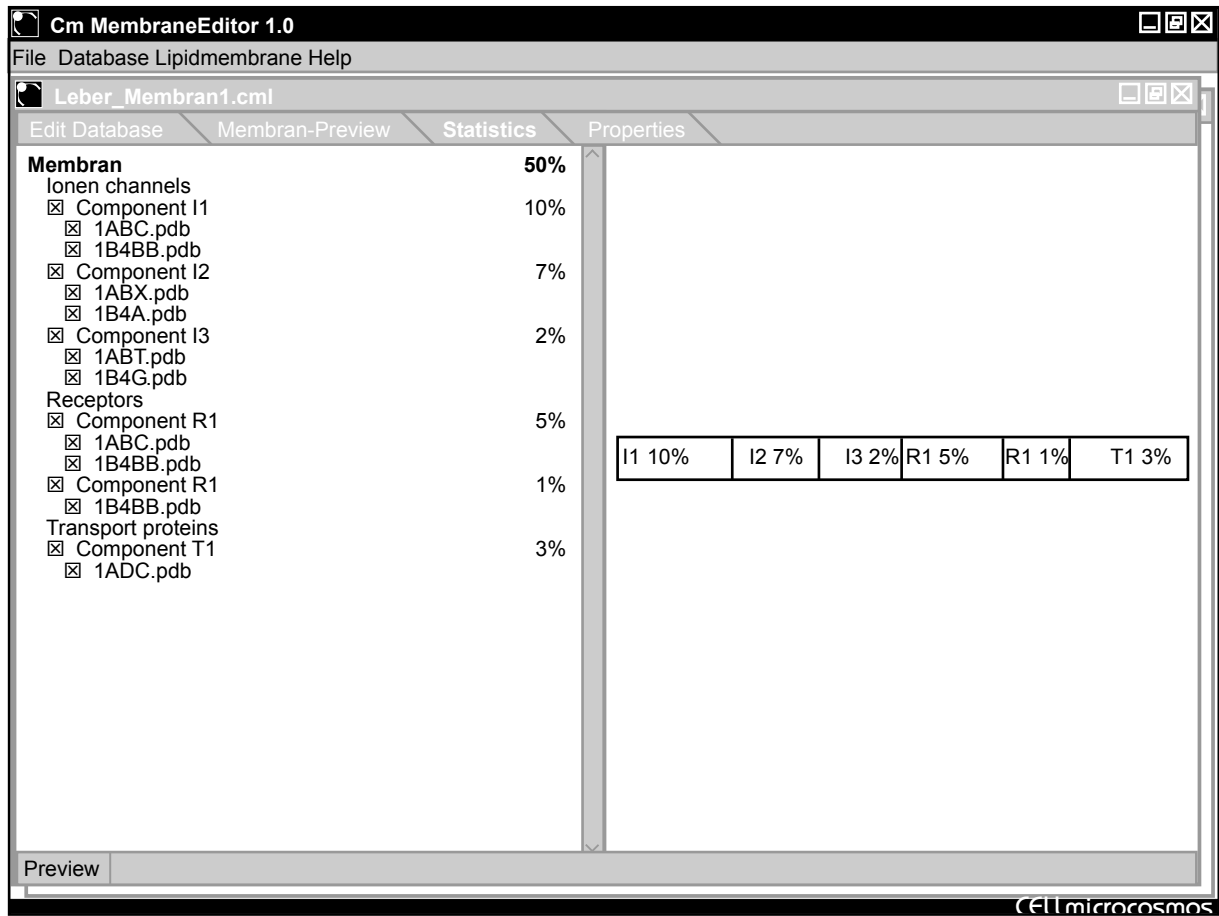
Category	Component	Percentage
Membran		50%
Ionen channels		
	<input checked="" type="checkbox"/> Component I1	10%
	<input checked="" type="checkbox"/> 1ABC.pdb	
	<input checked="" type="checkbox"/> 1B4BB.pdb	
	<input checked="" type="checkbox"/> Component I2	7%
	<input checked="" type="checkbox"/> 1ABX.pdb	
	<input checked="" type="checkbox"/> 1B4A.pdb	
	<input checked="" type="checkbox"/> Component I3	2%
	<input checked="" type="checkbox"/> 1ABT.pdb	
	<input checked="" type="checkbox"/> 1B4G.pdb	
Receptors		
	<input checked="" type="checkbox"/> Component R1	5%
	<input checked="" type="checkbox"/> 1ABC.pdb	
	<input checked="" type="checkbox"/> 1B4BB.pdb	
	<input checked="" type="checkbox"/> Component R1	1%
	<input checked="" type="checkbox"/> 1B4BB.pdb	
Transport proteins		
	<input checked="" type="checkbox"/> Component T1	3%
	<input checked="" type="checkbox"/> 1ADC.pdb	

PDB view

Preview

CELLmicrocosmos

Cm MembranEditor 1.2



Hier auch Edit der properties!
 Edit component properties (name, %, position, size, info)
 Save component properties?

Cm MembranEditor 1.2

File	Database	LipidMembran	Window	Help	Exit
New membrane model ...	Load membrane protein database ...	Load lipidbimembran ...	Fenster nebeneinander	About ...	
Load membrane model ...	Save membrane protein database ...	Edit lipidbimembran ...	Fenster untereinander	Help ...	
Save membrane model ...	Edit membrane protein database ...	Save lipidbimembran ...	Komponentenfenster schließen		
New component ...	Add protein to database ...		<input type="checkbox"/> Hilfe		
Generate PDB membrane	Remove protein from database ...		<input checked="" type="checkbox"/> Membran-Preview		
	Search component in database ...		<input checked="" type="checkbox"/> Leber_Membran1.cml		
			<input checked="" type="checkbox"/> Leber_Membran2.cml		

CM2-Functions

New Membrane-Model
Load Membrane-Model (XML-format)
Save Membrane-Model (XML-format)
Edit Membrane-Model
 Select LipidBiLayer-type
 Load LipidBiLayer
 Edit LipidBiLayer-type
 Show Membrane-component-list: show all selected components
 Visualize Membrane (Preview), Protein-distribution
 Arrangement of components (random, Ö)
 Add component to Membrane-Model
 Remove component from Membrane-Model
 Show component structure & properties
 Edit component properties (name, %, position, size, info)
 Save component properties
 Validate Membrane-Model, update statistics

Generate PDB-Membrane

Load Membrane-Protein-DB
Save Membrane-Protein-DB
Edit Membrane-Protein-DB
 Add Protein to DB
 Remove Protein from DB
Search component in DB

About
Help
Quit, Exit, Cancel

TODO

CM2-Functions

PDB-Namen statt PDB-Dateinamen

SessionNumbers

Edit Membrane-Model
 Select LipidBiLayer-type (%)
 Load LipidBiLayer
 Edit LipidBiLayer-type
 Arrangement of components (random, Ö)
 Validate Membrane-Model (in Preview-function), update statistics?
 Components aus mehreren PDBs generieren und im Editor auch entsprechend anzeigen?