research articles prot

teome

Journal of

A New Computer Program (GlycoX) To Determine Simultaneously the Glycosylation Sites and Oligosaccharide Heterogeneity of Glycoproteins

Hyun Joo An,[†] John S. Tillinghast,[‡] David L. Woodruff,[§] David M. Rocke,[‡] and Carlito B. Lebrilla^{*, †, ||}

Department of Chemistry, Division of Biostatistics, Graduate School of Management, Biochemistry and Molecular Medicine, University of California, Davis, California 95616

Received June 16, 2006

A new computer program, GlycoX, was developed to aid in the determination of the glycosylation sites and oligosaccharide heterogeneity in glycoproteins. After digestion with the nonspecific protease, each glycan at a specific glycosylation site contains a small peptide tag that identifies the location of the glycan. GlycoX was developed in MATLAB requiring the entry of the exact masses of the glycopeptide and the glycan spectra in the form of a mass-intensity table and taking advantage of the accurate mass capability of the mass analyzer, in this case a Fourier transform ion cyclotron resonance (FT ICR) mass spectrometer. This program computes not only the glycosylation site but also the composition of the glycans at each site. Several glycoproteins were used to determine the efficacy of GlycoX. These glycoproteins range from the simple, with one site of glycosylation, to the more complex, with multiple (three) sites of glycosylation. The results obtained using the correct results, and new glycoproteins with unknown glycosylation were examined with the site of glycosylation and the corresponding glycans determined. Furthermore, other functions in GlycoX, including an auto-isotope filter to identify monoisotopic peaks and an oligosaccharide calculator to obtain the oligosaccharide composition, are demonstrated.

Keywords: glycosylation site • oligosaccharide heterogeneity • software • oligosaccharide calculator • isotope filter • mass spectrometry

peptide.

Introduction

Glycosylation is one of the most common forms of posttranslational modification in eukaryotic proteins and is involved in many cell communication and signaling events.¹ Glycans play key roles in protein folding, cell–cell recognition, and the immune system.^{2,3} Defective or altered glycosylation can have profound biological implications and has been associated with a number of human diseases, for example, the congenital disorders of glycosylation^{4,5} and cancer.⁶

It has been estimated that at least 50% of human proteins are glycosylated.⁷ There are two major types, N- and Oglycosylation. The N-linked glycans are linked via an amide bond to an asparagine with a consensus sequence Asn-X-Ser (Thr), where X can be any amino acid except proline. N-linked oligosaccharides have a single core consisting of two *N*acetylglucosamine (GlcNAc) and three mannoses (Man). The

heterogeneity is key toward understanding the specific biological roles of glycoproteins. Traditionally, site-specific glycosylation analysis has been extremely challenging due to the high

complexity of glycoproteins. There have been several recent reports on glycosylation site analysis.^{8–16} Typical approaches to this task are based upon some combination of specific enzymatic proteolysis (usually with trypsin), fractionation of glycopeptides (most often by liquid chromatography or affinity chromatography), and glycopeptide analysis by mass spectrometry (MS).^{12–16} In some cases, deglycosylation of glycopeptides is concurrently performed with the information regarding the glycan discarded.^{12,16} Unfortunately, many glycoproteins are resistant to trypsin.^{17,18} Furthermore, the glycopeptides that are formed by specific enzymatic proteolysis are often too large for MS analysis because glycosylation may produce missed cleavages.¹⁴ For these reasons, the information regarding glycosylation is very often incomplete.

O-linked glycans are bound to either a serine or threonine with no single common core or consensus sequence at the attached

The determination of glycosylation sites and oligosaccharide

Recently, a new strategy for the rapid determination of N-glycosylation sites and site heterogeneity was introduced by

^{*} Corresponding author. Tel, +1-530-752-6364; fax, +1-530-752-8995; e-mail, cblebrilla@ucdavis.edu.

[†] Department of Chemistry, University of California.

[‡] Division of Biostatistics, University of California.

 [§] Graduate School of Management, University of California.
 ^{II} Biochemistry and Molecular Medicine, University of California.

A New Computer Program GlycoX

our laboratory.9 In this approach, a glycoprotein is subjected to nonspecific proteolysis with a highly active mixture of proteases known as Pronase. Nonglycosylated regions of the glycoprotein are digested to amino acids and dipeptides, while glycosylated regions are protected from protease activities by the oligosaccharides, which block the digestion of the associated peptide segment by steric interactions. The resulting mixture of glycopeptides is easily separated from the amino acids and salts using solid phase extraction (SPE) with porous graphitic carbon (PGC). In parallel, the glycoprotein is treated with PNGase F, an enzyme that specifically releases N-linked glycans from glycoproteins. However, this procedure is necessary only for large glycoproteins with several glycosylation sites. Smaller glycoproteins do not typically require the determination of the oligosaccharide constituents. In any case, the released glycans are also purified by SPE with PGC. The purified glycopeptides and glycans are analyzed by matrix-assisted laser desorption/ionization Fourier transform ion cyclotron resonance mass spectrometry (MALDI-FTICR-MS), allowing the assignment of site-specific glycosylation and elucidation of glycan heterogeneity at individual sites.

To aid in the interpretation of this datum, we developed a unique and powerful software platform GlycoX that makes use of accurate masses belonging to the glycopeptides and glycans with the known protein sequence for assigning of N-linked and O-linked glycosylation with the additional determination of microheterogeneity. Although several tools such as GlycoMod,¹⁹ FindMod,²⁰ and Glypeps²¹ are available for the determination of glycosylation sites from mass spectra, glycopeptides derived from specific proteases are required to predict the glycosylation sites. Recently, other groups have also utilized the approach using nonspecific or reduced-specificity proteolysis for glycoprotein analysis;^{22–26} however, there are no computer programs specifically developed to interpret automatic mass spectra obtained from nonspecific proteases such as Pronase E and protease K.

In this paper, we describe a new computer program (GlycoX) for determining site-specific glycosylation with microheterogeneity. The software described was developed in MATLAB and requires the entry of mass spectra as ASCII files. It takes advantage of the accurate mass capability of FTICR-MS. In addition, this program can be used to determine the glycosylation sites without the glycan information. GlycoX also includes an oligosaccharide calculator that accounts for multiple alkali adduction to acidic oligosaccharides. To validate the program, several glycoproteins were characterized. These glycoproteins range from the simple, with one site of glycosylation, to the more complex, with at least three sites of glycosylation. It is also shown that GlycoX can be used to determine oligosaccharide composition of released glycans. An isotope filter is included to determine the monoisotopic quasimolecular ions in mixtures of glycopeptides or glycans readily.

Experimental Section

General Experimental. 1. Pronase Digestion. Pronase digestion has been described in great detail in an earlier publication.⁹ Briefly, Pronase E (\sim 10 U) was added to the glycoprotein (\sim 10 nmol) and incubated at 37 °C for 36–48 h. The reaction mixture was boiled to deactivate the enzyme. The digested glycoprotein was desalted and concentrated on a porous graphitic carbon (PGC) cartridge.

2. Release of N-Linked Glycans by PNGase F. The glycoprotein (\sim 10 nmol) was dissolved in ammonium bicarbonate

buffer solution (100 mM, pH 7.6). PNGase F (1 μ L, ~10 U) was added, and the solution was incubated at 37 °C in a water bath for 17 h. The digestion mixture was boiled for 3 min to deactivate the enzyme. The digestion mixture was applied to PGC–SPE to purify the released glycans.

3. Release of O-Linked Glycans by Reductive β -Elimination. The glycoprotein was subjected to the reductive β -elimination. Alkaline borohydride solution (200 μ L, mixture of 1.0 M sodium borohydride and 0.1 M sodium hydroxide) was added to 200 μ g of glycoprotein. The mixture was incubated at 42 °C for 24 h. After the reaction period, a 1.0 M hydrochloric acid solution was slowly added with the reaction mixture in an ice bath to destroy excess sodium borohydride. The released glycans were purified by SPE employing PGC.

4. Mass Spectrometry. Mass spectra were recorded on an external source HiResMALDI (IonSpec corporation, Irvine, CA) equipped with a 7.0 T magnet and a pulsed YAG laser (355 nm) for ionization. 2,5-Dihydroxy benzoic acid (DHB) was used as a matrix (5 mg/100 μ L in ethanol). A saturated solution of NaCl (or in some case KCl) in methanol was used as a dopant for the identification of the quasimolecular ion for either glycopeptides or oligosaccharides. The glycopeptide/oligosaccharide solution (1 μ L) was applied to the MALDI probe followed by matrix solution (1 μ L). The sample was dried under a stream of air prior to mass spectrometric analysis.

5. Operating System. The GlycoX program was written in MATLAB. We have used MATLAB 6 on several Windows platforms including 98, 2000, and XP.

Subroutines in GlycoX. The *ReadSpectrum (specfile)* subroutine reads spectral data from the file *specfile*. The user is asked to put quotes around the name of the file. The format of the specfile is ASCII, and the file contains two columns with masses and the intensities, for example,

1500.0010, 72.1513
1500.0084, 66.4353
1500.0158, 60.8504
1500.0233, 55.7041
1500.0307. 51.2539.

The output is a spectrum in GlycoX format—a matrix with two columns and many rows. The first column contains masses that are evenly spaced with separation delta (default value 0.01 Da). The second column has the intensities for the evenly spaced masses based on spline interpolation from the input data.

The *MonoGly(spectrum)* and *MonoPep(spectrum)* subroutines perform the isotope filter by taking the raw spectra and returning the estimate monoisotopic spectra in GlycoX format. The isotopic abundances of glycans and glycopeptides are slightly different and are accounted for in the respective subroutines (see next section).

The *SolveGlySpec(spectrum, modename, PercentMax, errtol)* performs the preprocessing by converting the raw spectrum and produces the resulting spectrum in the GlycoX format. *SolveGlySpec* runs *MonoGly* internally and should not be used on a monoisotopic spectrum. The input *modename* = 'n+', 'o+', 'n-', or 'o-' specifies the types of oligosaccharides with 'n' and 'o' representing N-linked and O-linked oligosaccharides, respectively, and '+' and '-' representing the positive and negative modes in MS. *PercentMax* is a threshold for identifying peaks. No peaks will be identified with height less than this percentage of the highest peak. *errtol* is the error allowed in parts per million of the mass accuracy (ppm). This routine also

runs *GetPeakInfo* and *SolveGlyPeaks* (see below) and displays predicted glycans (oligosaccharide composition).

The *GetPeakInfo(xy, PercentMax)* subroutine shows the peak information for any of the GlycoX format spectra. The *xy* input is a spectrum in GlycoX format (isotope-filtered or unfiltered). The input *PercentMax* sets the peak threshold. The subroutine returns *PeakInfo*, a matrix with two columns for each mass peak with mass and corresponding intensity.

The subroutine *SolveGlyPeaks (PeakInfo, modename, errtol)* determines the glycan composition based on the mass from exact masses of monosaccharide residues. *PeakInfo* is the file returned by *GetPeakInfo*. The files *modename* and *errtol* are the same as those used in *SolveGlySpec*. The subroutine prints an output table of possible solutions for the relevant peaks.

The subroutine *SolveGlyFile (specfile, modename, Percent-Max, errtol)* solves the glycan composition as *SolveGlyPeaks*; however, the input can be the raw ASCII data (unfiltered). The output is the same as *SolveGlyPeaks*.

The subroutine SolveGP (GPInfo, GPModeName, GlyInfo, GlyModeName, SeqFile, errtol, MaxPepLen, glylist, GlyMat) determines the glycopeptides and the oligosaccharide heterogeneity. The subroutine prints output for masses and intensities given by GPInfo, a matrix just like PeakInfo in GetPeakInfo or SolveGlyPeaks, but for the glycopeptide mass values and intensities. GPModeName is 'n+', 'o+', 'n-', or 'o-', depending on which mode was used for the glycopeptide measurements. GlyInfo is the matrix of glycan mass values and intensities. GlyModeName is also 'n+', 'o+', 'n-', or 'o-' for the glycan measurements. SeqFile is a protein sequence file in FASTA format. errtol is again the error allowed, in parts per million. MaxPepLen sets the longest peptide length that GlycoX will consider. glylist is a list of the names of the glycans. The default is "glycans" from the routine StartGlycoX. GlyMat is a matrix with three rows: glycan masses on top, minimum counts below, and maximum counts below that. In StartGlycoX, we define NglyMat (N-linked glycan) and OGlyMat (O-linked glycan), but others can be created by the user.

Results and Discussion

The GlycoX program has three main functions, a 'glycosylation site search' for the determination of glycosylation sites with oligosaccharide heterogeneity in glycoproteins; an 'oligosaccharide calculator' for assigning oligosaccharide compositions for N-linked, O-linked, and chemically modified oligosaccharides; and an 'auto-isotope filter' for selecting the monoisotopic peaks from the mass spectra of glycopeptides, peptides, and glycans.

1. Isotope Filter. An isotope filter was developed to simplify the mass spectra for analysis. Simplification is needed because isotopes will produce several peaks in the mass spectrum at masses m, m + 1, m + 2, and so forth. If all peaks are used, there can be interference and confusion between a higher isotopic peak of one molecule and the lower peaks of another. To have an unambiguous peak associated with each compound, we would prefer to work with a monoisotopic spectrum. For a given compound, the monoisotopic mass is the mass of the isotopic peak whose elemental composition is composed of the most abundant isotopes of those elements. Monoisotopic masses are used more often than average masses in mass spectrometry to relate peaks with their compositions. The GlycoX method uses the monoisotopic masses only and would give incorrect results if applied to the larger isotopic peaks. There is a need for a robust software to simplify the MS data



Figure 1. (a) Isotope filter helps to disentangle overlapping peaks in angiotensin fragment (1046) and Pro9-Arg (1048) (b) Estimation of isotope ratios for methylated trisialylated triantennary glycan. Blue line shows the MS spectrum; green line is synthesized using ratios based on a = 1.27, b = 0.180 (estimates for mass = 2944.05 amu); red line is synthesized using a = 1.27, b = 0.176 (true values for composition C112–H184–O80–N8).

because complex isotopic patterns make peak interpretation difficult.²⁷ Recently, a new algorithm, *Iosconv*, for deisotoping electrospray and MALDI mass spectra was developed by Hoffmann and co-workers.^{28,29} This algorithm was successfully used for peptides. However, there is currently no readily accessible software to filter the monoisotopic masses of other biomolecules such as glycans and glycopeptides. Different molecule classes need slightly different parameters for more efficient deisotoping algorithms (see below). Thus, *isotope filter* is a unique and efficient software for simplifying the MALDI–MS spectra of oligosaccharides, glycopeptides, and peptides.

An isotope filter can be used to deconvolute two overlapping quasimolecular ion signals. For example, shown in Figure 1a are two ionic species that differ by two mass units. The isotopic peaks of the lower mass interfere with the less abundant monoisotopic peaks of the larger mass. Performing the filter eliminates the contribution of the lower mass to the higher, although with some distortion, showing two distinct peaks in the region.

An algorithm that we call the *isotope filter* estimates the monoisotopic spectrum that would correspond to the measured spectrum with its isotopic peaks. For a given molecule,



Figure 2. MALDI-MS spectrum of oligosaccharides obtained from human tear (a) before and (b) after the isotope filter. All peaks obtained from the isotope filter correspond to monoisotopic masses.

there are rules for the relative abundances of isotopomer,

$$y_{m+1} = ay_m$$
$$y_{m+2} = \left(\frac{a^2}{2} + b\right)y_m$$
$$y_{m+3} = \left(\frac{a^3}{6} + ab\right)y_m$$
$$y_{m+4} = \left(\frac{a^4}{24} + \frac{a^2}{2}b + \frac{b^2}{2}\right)y_m$$

where,

$$a = 0.00011n_{\rm H} + 0.011n_{\rm C} + 0.0036n_{\rm N}$$

is the expected number of single-isotope atoms per molecule $(^{13}\text{C},\,^{2}\text{H},\,\text{and}\,\,^{15}\text{N}),$ and

$$b = 0.0022n_0 + 0.045n_s$$

is the expected number of double-isotope atoms per molecule

(¹⁸O and ³⁴S). Figure 1b shows the spectrum for a glycan with elemental composition $C_{112}H_{184}O_{80}N_8$. Fitted to the spectrum are predictions based on the rules for isotope ratios. The blue trace is the experimental plot. The green trace is based on the average composition of glycans of a mass 2944. The values for *a* and *b* are determined from an "average glycan" residue ("averagose") analogous to "averagine" for peptides.³⁰ The red trace is the synthesized spectrum with *a* and *b* calculated from the known glycan composition.

This can be written as a matrix relationship,

$$\mathbf{y} = \exp(a\mathbf{S} + b\mathbf{S}^2)\mathbf{y}^{\mathrm{M}}$$

for

$$\mathbf{y} = \begin{bmatrix} y_m \\ y_{m+1} \\ y_{m+2} \\ \vdots \end{bmatrix}, \quad \mathbf{y}^{\mathbf{M}} = \begin{bmatrix} y_m \\ 0 \\ 0 \\ \vdots \end{bmatrix}$$



Figure 3. Editor used for oligosaccharide calculator in MATLAB.

and S is the shift matrix

$$\mathbf{S} = \begin{bmatrix} 0 & 0 & 0 & 0 & \dots \\ 1 & 0 & 0 & 0 & \cdots \\ 0 & 1 & 0 & 0 & \cdots \\ 0 & 0 & 1 & 0 & \cdots \\ \vdots & \vdots & \vdots & \ddots & \ddots \end{bmatrix}$$

that is, multiplying by **S** just shifts the whole spectrum up by one mass unit. The example shown here is for the simplest case: a spectrum of integer masses. The matrix **S** must always shift the spectrum by one whole mass unit; therefore in a case with precision for 100 data points per amu, the matrix would have ones along the 100th subdiagonal instead of the first.

For large enough masses, we can use an approximation

$$\boldsymbol{a} \approx \alpha \boldsymbol{m}$$
, and $\boldsymbol{b} \approx \beta \boldsymbol{m}$

where α and β are the average numbers of single and double isotopes per amu. Combining the relations for different molecules leads to

$$\mathbf{v} \approx \exp(\alpha \mathbf{mS} + \beta \mathbf{mS}^2) \mathbf{v}^{\mathrm{M}}$$

where \mathbf{m} is the diagonal matrix that multiplies each intensity by the mass, and \mathbf{S} is the "shift" matrix that slides the spectrum down by one mass unit.

This means that

$$\mathbf{y}^{\mathrm{M}} \approx \exp(-\alpha \mathbf{m} \mathbf{S} - \beta \mathbf{m} \mathbf{S}^{2}) \mathbf{y}$$

The GlycoX package has a very efficient way to compute this expression given **y**.

For the molecule classes we have been working with, different parameters for the approximation of the peptides, glycans, and glycopeptides are used to give a more accurate output. We have found that the following coefficients provide a good approximation:

molecule type	Α	В
peptides oligosaccharides glycopeptides	$5.2 imes 10^{-4} \ 4.3 imes 10^{-4} \ 4.6 imes 10^{-4}$	$3.0 imes 10^{-5}\ 6.1 imes 10^{-5}\ 5.0 imes 10^{-5}$

Before-and-after pictures show the effect of using the filter. To illustrate the utility of the isotope filter, a complicated mixture of oligosaccharides from human tear was analyzed. Figure 2a shows the MALDI–MS spectrum before the "isotope filter" with several overlapping peaks. After the isotope filter (Figure 2b), the spectrum still contains many peaks, but is considerably reduced in complexity.

2. Oligosaccharide Calculator. GlycoX can be used to calculate the possible glycan compositions from experimentally determined masses. This is a stand-alone feature that can be used on the mass spectra of oligosaccharide mixtures. The user has the choice to define oligosaccharide type (N-linked or O-linked glycan), MS detection mode (positive or negative mode), and the minimum and maximum number of monosaccharides (Figure 3). Furthermore, all glycans types, that is, reduced glycans (alditol), unreduced glycans (aldehyde), and chemically derivatized glycans, can be calculated in GlycoX. A particular advantage of this program is the ability to easily input the sugar's modification and the corresponding mass. To get biologically relevant oligosaccharide compositions, several restrictions were placed on the oligosaccharide calculator. First, the number of fucose residues should be less than or equal to the sum of the number of Hex plus HexNAc residues. Second, the N-linked glycans should have 2HexNAc and 3 Man corresponding to the core structure.

Oligosaccharides readily coordinate with $\mathrm{Na^+}.$ Acidic oligosaccharides exchange acidic protons with $\mathrm{Na^+}$ to yield

MATLAB														_		
File Edit View Web Window	i Help	. 1								in i						
	∼ 🏭 १	Curre	ant Directo	a. C.W	ATLAB6	5VGlycoX	GlyceX \	V4								
Current Directory		7 X	Comma	ind Windo	¥6:											2
C:WNATLAB6p5WG1ycoXW6	🗈 🗗	M	N 801	une lu E i l	a Chf	aluran I		20	0.132							
All Files	File Type	i 10	Hex	HendN	la (ur_	se Neul	vc Neu	16c Sul	fate H	eov.A	Na-H	Pred M	easured	Error	Intens	
🗃 AddGiycanColToSortees. n	M-file	-	5	4	0	. ()	0	0	0	1	663.56	1663.59	+0.025	30.7	
[ii] concat.txt	TXT File		5	4	0			0	0	0	2	1976.64	1975.69	+0.048	30.2	
DummySeq.txt	TXT File		6	5	0			0	0	0	2 1	2028.69	2028,75	+0.053	100.0	
FindClosestAbs.m	M-file		5	8	Č)	0	0	0	1 1	2475.88	2475.85	-0.031	51.4	
🚰 GetParansFronFile.n	M-file		8	2	1	2		0	0	0	3 3	2515.78	2515.84	+0.060	34.9	
GetPeakInfo.m	M-file		6	5	0	2	2	0	0	0	з :	2654.85	2654.92	+0.069	75.8	
Bet Sequence . n	M-file		5	8	0			0	0	0	2	2788.96	2788.94	-0.018	32.9	
BivTable a	M-file		6	4	ے ا		3	0	0	0	4 3	2020.97	2967.99	+0.010	47.1	
Belahie n	M-file		3	7	1			0	õ	0	i i	2968.04	2967.99	-0.051	47.1	
Beteste nat	MAT-file		>>													
loioácide a	M-fila		>>													
- Haladállare a	Hatila		>>> >>>													
Maxeenen ass. II	H-110		>>>													
Manager 10.11	M-CO-		>>													
monosiy.n	M-THE		>>													
nonoPep.n	7-1118 TVT 51-		>>													
(m) ovalo.rasta.txt	TAT FILE															
mij ovo.oneline.txt	IXI FILE		>>													
em PadPrint.n	M-Tile		>>													
ReadMode. n	M-file		>>													
ReadSpectrum.m	M-file		222													
Beq2Mass.n	M-file		>>													
📸 showspec. n	M-file		>>													
	M-file	-	>>													
SolveBlyFile.m		the second se														
SolveBlyFile.m	Current Dire	• ctory	×													
SolveBlyFile.m Command History Start	Current Dire	etory	» 1													
SolveBlyFile.m Command History Start	Current Dire	etory	»। त													
Command History Start Hattab Edit View Web Window Help	Current Dire	tory f	>> 													
	Current Dire	etory	WATLAD	о5\ЮјусоХ ∀	4							2				
	Current Dire	etory	WATLADO	o5V0lycoX V Window	4							I .				
Command History Command History Command History Start Command History Command	Current Dire	rectory:	WATLABB	o5i0iycoX V Window	4	Beuko	Meufig	Sulfate	Hexa	Bo-H	Pred	T .]]	Intens		F
Command History Command History Command History Start Command History Command	Current Dire	irectory: C ×× difie	WATLAB9	o5i0lycoX∀ Window HexNAc Z	4 Fucose 0	NeuAc 0	Neu5a 0	Sulfate	HexA	Ba-H 0	Pred 505.1;	Measures 2 505.13	1 Error 3 +0.013	Intens 18.6		
HatLAD Command History Start Edit Ver Web Window Hels Edit Ver Web Window Hels Command History Start Edit Ver Web Window Hels Command History Start Start HatLAD File Typ Rosofep.a. R-file	Current Dire	etory rectory: C R X M offifie 2005	WATLABB	o5V0łycoX V Window HexXAc 2 0 2	4 Fucose 0 0	Neukc 0 0	Neu5c 0	Sulfate	HexA 0 0	Na-H 0 0	Pred 505.1: 505.1	Heasured 2 505.13 5 505.13	4 Error 5 +0.013 5 -0.020	Intens 18.6 18.8		
AND STATES AND	Current Dire	rectory	WATLABB	o5V0lycoX V Window HexNAc 2 0 2 0	4 Pucose 0 0 0	Neuko 0 0 0	Neu6a 0 0 0 0	Sulfate	Hex.A 0 0 0 0	На-Н 0 0 0	Pred 505.1 505.1 667.2	Heasured 2 505.13 5 505.13 7 667.14 0 667.14	i Error 3 +0.013 9 -0.020 9 -0.020 9 -0.023 9 -0.010	Intens 18.6 18.6 8.8 8.8		
SolveBlyFile.m SolveBlyFile.m Start Command History Start Start Edit Vew Web Window Heb B SolveBlyE e Edit Vew Web SolveBlyE	Current Dire	rectory: C rectory: C rector	WATLABB	oSVDlycoX V WindoW HexNAc 2 0 2 0 2 0 2 0 2 0 2	4 Fucose 0 0 0 1	NeuAc 0 0 0 0	NeuGa O O O O O	Sulfate	HexA 0 0 0 0	Ba-H 0 0 0 0 0	Pred 505.11 505.1 667.2 813.2	Heasured 2 505.13 5 505.13 6 667.13 3 813.22	1 Error 3 +0.013 3 -0.020 9 +0.023 3 -0.010 5 +0.023 -0.010	Intens 18.6 18.8 8.8 7.8 7.8		
Command History Command History Start Command History Start Command History Start Start Command History Start S	Current Dire		WATLAB9	SSUDycoX V Window HexXiAc 2 0 2 0 2 0 3	4 Pucose 0 0 0 1 1 1 0	Neukc 0 0 0 0 0 0 0 0 0	NeuGa 0 0 0 0 0 0 0 0 0	Sulfate 1 0 1 0 1	HexA 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 1-28 0 0 0 0 0 0 0	Pred 505.1: 505.1: 667.2: 813.2: 813.2: 813.2:	Heasured 2 505.13 5 505.13 6 667.13 0 667.13 8 813.23 5 813.23 5 870.23	4 Error 3 +0.013 3 -0.020 9 -0.020 2 +0.023 3 -0.010 5 +0.023 5 +0.023 1 -0.010 3 +0.023 1 -0.010 3 +0.023 3 -0.010 3 +0.012 3 -0.012 4 -0.012 5 -0.012 5 -0.012 5 -0.012 5 -0.012 5 -0.012 5 -0.012 5 -0.020 5 -0.02	Intens 18.6 8.8 8.8 7.8 7.8 61.3		
A Vee BiyFile.m Command History Start Kattab Edd: Vee Web Window Heb So Vee Vee Web Window Heb So Vee Vee Vee Vee Vee Vee Vee Vee Vee Ve	Current Dire		XWATLAB8	oSV2lycoX V Window HexXiAc 2 0 2 0 2 0 3 1 3	4 7ucose 0 0 0 1 1 1 0 0	Heuke 0 0 0 0 0 0 0 0	Neu6c 0 0 0 0 0 0 0 0 0 0	Sulfate 1 0 1 0 1 0	HexA 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ha-H 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Pred 505, 11 505, 1 667, 2 813, 2 813, 2 813, 2 870, 2 870, 2	Ressured 5 505.13 5 505.13 5 657.15 9 613.23 5 613.23 5 870.23 8 870.23	1 Error 3 +0.013 3 -0.020 4 +0.023 9 -0.010 5 +0.023 7 -0.010 7 +0.023 7 -0.010	Intens 18.6 8.8 8.8 7.8 61.3 61.3 61.3		
HATLAD Command History Start Start Edit Ver Web Window Help Edit Ver Web Window Help Edit Ver Web Window Help Edit Start Start I Start I	Current Dire		2 WATLAB8	o550lycoX V Window HexNikc 2 0 2 0 2 0 3 1 3 1 3 1	4 Pucase 0 0 1 1 0 0 1	NetuAc 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MeuGo 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sulfate 1 0 1 0 1 0 1 0	HexA 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ha-H 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Pred 505.1: 505.1: 667.2: 813.2: 813.2: 810.2: 810.2: 810.2: 810.2: 810.2: 1016.3:	Heasured 2 505.11 5 505.13 5 505.13 5 667.19 9 813.22 5 870.23 9 870.23 9 870.23 1 1016.53	1 Error 3 +0.013 3 -0.020 4 +0.023 9 -0.010 5 +0.023 5 -0.010 5 +0.023 7 -0.010 9 +0.023 7 -0.010 9 +0.023 9 -0.010	Intens 18.6 18.6 8.8 7.8 7.8 7.8 61.3 61.3 100.0 100.0		
AltAB Command History Start Command History Start Edit Vew Web Window Help D Solation C: Whith Bogs SoliyooX V4 HatLaSops/GlycoX V4 HatLaSops/GlycoX V4 Sonofep.a R-file ovalb.Costa.txt TXT File ProdPints. R-file ReadBootrma.k R-file ReadBootrma.k R-file ReadBootrma.k R-file ReadBootrma.k R-file ReadBootrma.k R-file	Current Dire		WATLADS Comment Rest 0 1 4 1 4 1 4 1 2	oSVOlycoX V/ Window HexXiAc 2 0 2 0 3 1 3 1 3	4 Pucase 0 0 1 1 0 0 1 1	Neuke 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NeuGo 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sulfate 1 0 1 0 1 0 1 0	HexA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ba-H 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Pred 505.11 505.1 667.2 813.2 813.2 813.2 813.2 813.2 813.2 813.2 813.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2	Measuzed 2 505.13 5 505.13 5 667.15 9 613.23 5 813.23 5 870.23 8 870.23 1 1016.33 4 1036.35 4 1036.5	1 Error 3 +0.013 0 -0.020 2 +0.023 3 -0.010 5 +0.023 5 -0.010 1 +0.023 3 -0.010 3 +0.023 3 -0.010 3 +0.023 3 -0.010	Intens 18.6 18.6 18.6 8.8 7.8 7.8 7.8 7.8 7.8 61.3 100.0 100.0 7.1		
Command History Command History Command History Start Edit Vew Web Window Help Solution Could Start Could S	Current Dire		WATLABB	PSVDIycoX V Window HexNiAc D D 2 D 3 1 3 1 3 1 4	4 Pucase 0 0 1 1 1 1 1 0	Heuke 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NeuGa 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sulfate 1 0 1 0 1 0 1 0 1 0 1 0	HexA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ba-33 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Pred 505.1 505.1 667.2 813.2 813.2 870.2 870.2 870.2 1016.3 1016.3 1176.3	Heasured 2 505.13 5 505.13 5 657.15 5 657.15 8 613.23 5 813.23 5 870.23 8 870.23 8 770.23 8 770.	4 Error 3 +0.013 9 -0.020 9 -0.020 9 +0.023 9 -0.010 5 +0.023 5 -0.010 3 +0.023 9 -0.010 3 +0.023 9 -0.010 9 +0.033 9 +0.003 9 +0.003	Intens 18.6 18.6 18.6 18.6 1.3 61.3 100.0 100.0 7.1 7.1 6.3	2 2 2	
Im SolveBiyFile.m Image: Start Start FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILA	Current Dire		>>> Image: Construction of the second s	PSVDlycoX V Mindew HexXiAc 2 0 2 2 0 3 1 3 1 3 1 3 1 3 1 2 4 4 2	4 71100.000 0 0 1 1 1 1 1 1 1 1 0 0 0 0	Netware 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NeuGe 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sulfate 1 0 1 0 1 0 1 0 1 0 1 0 1 0	HexA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ba-13 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Pred 505.11 505.1 507.2 813.2 813.2 813.2 813.2 813.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2	Reasured 2 505.13 5 505.13 5 505.13 5 657.13 0 667.13 0 667.13 0 667.13 1 016.03 5 870.23 1 1016.33 9 1176.33 9 1176.35 9 1176.35	4 Error 5 +0.013 5 -0.020 9 -0.023 9 -0.010 5 +0.023 9 -0.010 1 +0.023 9 -0.000 1 +0.003 1 +0.003 1 +0.003 1 +0.003 1 +0.000 1 +0.003 1 +0.000 1 +0.00	Intens 18.6 18.6 7.8 7.8 61.3 100.0 100.0 7.1 7.1 6.3 6.3 6.3		
A Vee Web Yelle Command History Start	Current Dire	ctory c	2 WATLAB8 2 WATLAB8 1 1 4 1 4 1 4 2 5 2 5 5 5	a502bycoX ∀ Wardow HexNAc 2 0 2 0 3 1 3 1 3 1 4 2 2 0 2 0 2 0 3 1 3 3 1 2 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0	4 Piccose 0 0 0 1 1 1 0 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	Neuke 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MeuGe 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sulfate 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	HexA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ba-H3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Pred 505.1: 505.1: 507.2: 813.2: 813.2: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.4: 810.	Heasured 2 505.13 5 505.13 5 657.15 9 613.22 5 670.23 1 1016.33 9 1176.38 9 1176.38 9 1176.38 9 11235.44 1 1235.44 1 1235.44	4 Error 5 +0.013 5 -0.020 5 -0.020 5 -0.010 5 -0.010 7 +0.023 3 -0.010 7 +0.023 3 -0.010 9 +0.023 3 -0.010 5 +0.033 4 +0.003 1 +0.023 5 -0.010 5 +0.035 1 +0.023 5 -0.010	Intens 18.6 18.6 8.8 7.8 61.3 61.3 61.3 100.0 100.0 7.1 7.1 6.3 14.5		
HallAD Command History Start Start Command History Start Command History Start Command History Start Command History Start Command History Start Command History Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start S	Current Dire	ctory c	WATLARE Communication Hex 0 3 1 4 1 4 1 4 2 5 2 5 2 5 2 5 2 5 2	oSUbycoli V Windsw HexHAc 2 0 2 2 0 3 1 3 3 1 3 3 1 4 2 4 4 2 4 4 2 4	4 7ucose 0 0 0 1 1 1 1 1 1 1 2	Netuxe 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NeuGe D D D D D D D D D D D D D D D D D D D	Sulfate 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	Hiexa 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	He_BH 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Pred 505.1 505.1 667.2 813.2 813.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 8	Ressured 2 595.12 5 655.13 5 657.13 9 617.23 5 670.23 6 870.23 6 870.23 6 870.23 6 870.23 6 870.23 8 1026.33 8 1026.33 8 1128.44 1 1381.44 1 1381.44 1 1381.45 1 1327.55 1 1357.55 1 1327.55 1 1327.	4 Error 3 +0.013 9 -0.020 9 +0.023 9 -0.010 5 +0.023 9 -0.010 9 +0.023 9 -0.010 9 +0.023 9 -0.010 9 +0.033 9 +0.033 9 +0.033 1 +0.03	Intens 18.6 18.6 7.8 61.3 100.0 100.0 7.1 7.1 6.3 14.5 33.4		
HATLAD Command History Start Edit Vew Web Wndow Help Dis X Bat Edit Vew Web Wholp With Edit Vew Web Wholp With Edit Vew Web Wholp With Edit Vew Web Wholp With Edit Vew Web Web Wholp With Edit Vew Web Web Wholp With Edit Vew Web Web Web Wholp With Edit Vew Web	Current Dire	ctory c	3 WATLARS	0510)yooX V Windsy/ HexNAcc 0 2 0 0 3 1 3 3 1 4 2 2 4 2 2 2 2	4 7ucose 0 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	Heuke 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MeuGe 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sulfate 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	HexA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ha_5H 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Pred 505.11 505.11 667.21 613.22 813.2 813.2 813.2 810.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 125.4 125.4 1381.4 1381.4 1381.4 1381.5 1527.5	Kensuzed 5 505.13 5 667.15 5 667.15 5 667.15 8 667.25 8 70.23 8 70.2	4 Error 5 +0.013 5 +0.023 9 -0.020 5 +0.023 5 -0.010 5 +0.023 5 -0.010 1 +0.023 8 -0.010 1 +0.023 1 +0.003 1 +0.003 1 +0.003 5 -0.010 9 +0.003 1 +0.00	Incens 18.6 8.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8		
FA JUND Command History Start Start FAILAD E Edit View Web Window Help Start E Edit View Web Window Help Start Start FAILAD E Edit View Web Window Help Solve Start FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILADD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAIL	Current Dire	rectory: C cost rectory: C cost	Image: Second	oSUDycoX V V Valada 2 0 2 0 3 1 1 3 1 2 2 0 3 1 1 3 2 2 4 2 2 4 4 2 2 4 4 2 2 4 4 2 2 4 4 2 2 4 4 2 2 4 4 2 2 4 2 1 1 1 1	4 Fucose 0 0 0 1 1 1 1 0 0 1 1 1 2 2	Betake 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	HeuGe 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sulfate 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 0 1 1 0 1 1 0 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 1 0 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	HexA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ba-H 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Pred 505.11 505.1. 667.21 813.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 1016.3 1178.3 1255.4 1381.4 1381.4 1381.4 1381.5 1381.7 1527.5	Neasured 2 505.11 5 505.11 5 505.11 667.15 813.22 5 870.22 1 1016.32 9 1176.33 9 1125.41 1 1235.44 1 1235.44 1 1235.43 1 1527.55 3 1527.55	4 Error 4 0.013 4 0.013 4 0.023 4 0.023 4 0.023 4 0.023 4 0.023 4 0.023 4 0.023 4 0.023 4 0.003 4 0	InBans 18.6 8.8 7.8 61.3 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0		
In SolveBiyFile.m In Command History Start Start FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD FAILAD F	Current Dire	rectory: C r	WATLABR Item 0 3 1 4 1 4 1 4 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 5 5 5 5 5 5 5 5 5 5 5 5	0500ycoX V V Vindow I Herstike 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2	4 Pucose 0 0 1 1 1 1 0 0 1 1 1 1 0 0 1 1 1 1 2 2	Beuke 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NeuGe 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sulfate 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	HexA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ha-3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Fred 505.1 505.1 667.2 813.2 870.2 810.6 5 810.6 8 1176.3 1255.3 1255.3 1255.3 1255.3 1255.3 1255.5 1527.5	Reasured 2 505.13 5 505.13 5 657.14 9 667.19 8 813.22 5 870.22 1 1016.33 9 1178.35 9 1178.35 9 1128.44 1 1335.44 1 1335.44 1 1335.45 1 1325.45 1 1325.55 1 1327.55 1 1327.	4 Error 4 0.013 5 -0.020 5 -0.010 5 -0.010 5 -0.010 4 -0.023 5 -0.010 4 -0.023 5 -0.010 4 -0.023 5 -0.010 4 -0.020 5 -0.010 4 -0.020 5 -0.010 5 -0.010	Intens 18.6 8.8 9.8 7.8 61.3 100.0 100.0 7.1 6.3 100.0 100.0 7.1 4.5 33.4 35.4		
A Vee By File Command History Start Command History Command History Command History Start Command History Command	Current Dire	tetory	WATLAPP Hex Rex 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2	5503ycoX V Wineys WentWac 2 2 3 3 3 3 3 3 4 2 2 4 2 2 4 2 2 4 2 2 4 2 2	4 71150000 0 0 1 1 1 1 0 0 1 1 2 2	NetUbe 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	HeuGe 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sulface 1 0 1 1 0 1 1 0 1 0 1 0 1 0 1 0 1 0	HexA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ba-Bi 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Pred 505.1: 505.1: 667.2: 813.2: 810.2: 870.2: 870.2: 870.2: 870.2: 870.2: 870.2: 870.2: 870.2: 870.2: 870.2: 870.2: 106.3: 1176.3: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 1126.4: 11	Reasured 5 505.13 5 505.13 5 667.15 9 670.23 9 870.23 9 870.	4 Error 3 +0.013 3 -0.020 4 -0.013 3 -0.020 4 -0.023 5 -0.010 4 -0.023 5 -0.010 4 -0.023 5 -0.010 4 -0.033 5 -0.010 4 -0.033 5 -0.020 4 -0.033 5 -0.020 4 -0.033 5 -0.020 4 -0.033 5 -0.020 4 -0.033 5 -0.020 5 -0.010 5 -0.020 5 -0.02	Incens 18.6 18.6 48.8 48.8 48.8 48.8 49.7 40.3 40.3 40.3 40.3 40.3 40.3 40.3 40.3		
Command History Command History Start Command History Start Start Command History Start Start Command History Start S	Current Dire	ractiony: C x x x x x x x x x x x x x x x	WATLAB() Here Here 5 2 5 2 5 5 5 5 5 5 5 5 5 5 5 5 5	2500yco0K V Window 2 2 2 2 2 3 1 3 3 1 3 3 1 4 2 2 4 2 2 4 2 2 4 2 2	4 7ucose 0 0 0 1 1 1 0 0 1 1 1 2 2	Heuke 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MeuGe 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sulfate 1 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0	HexA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ha-Hi 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Pred 505.1 505.1 807.2 813.2 813.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 8	Reasured 2 595.12 5 505.13 5 667.15 9 617.25 5 670.23 9 870.23 5 870.23 1 1016.35 1 1016.35 1 1123.54 1 1235.44 1 1331.44 1 1332.45 1 1327.55 1 1527.55	4 Error 5 400.013 5 -0.020 5 -0.020 5 -0.020 5 -0.020 1 -0.020 5 -0.020 1 -0.020 5 -0.020 1 -0.020 5 -0.0	Incens 18.6 18.6 8.8 8.8 61.3 100.0 7.1 6.3 14.5 35.4 35.4		
Command History Command History Command History Start Command History Command His	Current Dire	tory	WATLAB() Hex 1 4 1 4 1 4 1 4 1 4 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 5 5 5 5 5 5 5 5 5 5 5 5	0500ycoX V Valndaw Valndaw 2 0 2 2 0 3 1 1 3 1 2 2 0 3 1 1 4 2 2 4 2 2 2 2 2 2 0 0 3 1 1 3 1 2 2 4 2 2 2 2 2 0 1 3 1 3 1 3 1 3 1 2 2 2 2 0 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1	4 7ucose 0 0 0 1 1 1 1 0 0 1 1 1 2 2	Betake 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	HeuGe 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sulfate 1 1 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 0	Hex.A 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ba-33 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Pred 505.11 567.21 813.2 813.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2	Kensuzed 5 505.11 5 505.11 6 667.13 9 613.22 5 870.23 8 870.23 8 870.23 9 1126.33 9 1125.44 1 1381.44 7 1382.45 1 1327.53	 Error 4. Error 4. 0.013 -0.020 -0.020 -0.014 -0.021 -0.021<td>Incens 18.6 18.6 8.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8</td><td></td><td></td>	Incens 18.6 18.6 8.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8		
SolveBiyFile.m ManoPep.a File Typ ManoPep.a File SolveBiyFeaks.m File SolveBiyFile.m File SolveBiyFile.m File SolveBiyFeaks.m File SolveBiyF	Current Dire		WATLAB() WATLAB() Hex 0 3 1 4 4 1 4 1 4 4 1 4 4 1 4 4 1 4 2 5 5 2 5 5 2 5 5 2 5 5 2 5 5 2 5 5 2 5 5 2 5 5 2 5 5 5 5 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	oSUDycol V V Volada 2 0 2 0 3 1 1 3 1 2 2 0 3 1 1 3 2 2 0 3 1 1 3 2 2 0 2 0 2 0 2 0 2 2 0 3 1 1 3 2 2 0 2 2 0 2 2 0 2 2 0 2 2 0 2 2 0 2 2 0 2 2 0 2 2 0 2 2 0 2 2 0 0 2 2 0 0 2 2 0 0 2 2 0 0 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 Pucose 0 0 0 1 1 1 1 0 1 1 2 2	Betake 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MeuGe 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sulfate 1 1 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	HexA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ba-H 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Pred 505.11 507.21 813.2 813.2 813.2 810.6 813.2 810.6 810.2 810.6 810.6 106.5 106.5 106.5 107.2 810.6 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5 108.5	Reasured 2 505.11 5 505.11 5 667.15 8 870.23 8 870.23 1 1016.33 9 1176.33 9 1176.33 9 1175.35 4 1015.35 4 1015.35 1 1235.44 1 1235.44 1 1235.44 1 1235.45 1 1235.45 1 1235.45 1 1235	4 Error 4 0.013 5 -0.020 5 -0.010 5 -0.020 5 -0.010 4 -0.023 5 -0.010 4 -0.023 5 -0.010 4 -0.023 5 -0.010 4 -0.023 5 -0.010 4 -0.023 5 -0.010 5 -0.020 5 -0.010 5 -0.010 5 -0.020 5 -0.020	Intens 18.6 18.6 8.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8		
ConvediyFile.m Command History Command History Start St	Current Dire	tory territor: territeritor: territor: territor: territor: territor:	WATLABR ILEX 1 4 1 4 1 4 1 4 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2	5503ycol V Windsyr Wandsyr 2 2 3 3 3 3 3 3 3 3 4 2 4 2 2 4 2 2 4 2 2	4 7100.080 0 0 0 1 1 1 1 1 1 0 0 0 1 1 1 2 2	NetWo 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	HeuGe 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sulfate 0 1 0 1 0 1 0 1 0 1 0	Hexa 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ha-34 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Pred 505.11 505.11 667.21 813.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 106.5 1176.3 1255.5 1225.5 1527.5	Heasured 2 505.11 5 505.11 5 667.19 8 813.22 5 670.22 9 970.22 1 1016.33 8 1128.34 1 1235.41 1 1235.41 1 1235.44 1 1235.45 1 1235.	4 Error 3 40.013 3 -0.020 3 -0.020 4 -0.023 5 -0.010 4 -0.033 5 -0.010 5 -0.00	Intens 18.6 18.6 4.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7		
ConvedityFile.m Converting SolveGityFeaks.m Frile SolveGityFeaks SolveGityFeaks SolveGityFeaks	Current Dire	tory	WATLASS Here 1 WATLASS 1 1 1 1 1 1 1 1 1 1 1 1 1	sSUbycolf V Windys Hestilac 2 2 3 1 3 1 3 1 4 2 4 2 4 2 2 2	4 Fucase 0 0 0 0 1 1 1 1 1 1 2 2	Heuke 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MeuGe 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sulfate 1 1 1 1 1 1 1 1 0 1 1 0 1 1 0 1 0 1 0	Hexa 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ha-34 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Pred 505.1: 505.1: 507.2 813.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 810.2 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5 812.5	Heasured 5 505.13 5 505.13 5 667.13 9 613.23 5 870.23 9 870.423 1016.35 1178.35 9 123.5.41 1123.5.44 1381.44 1382.5 1527.55	4 Error 3 +0.013 3 -0.020 4 -0.019 4 -0.021 5 -0.010 4 -0.025 5 -0.010 4 -0.025 5 -0.010 4 -0.025 5 -0.010 4 -0.033 5 -0.010 4 -0.033 5 -0.025 4 -0.033 4 -0.033 5 -0.010 4 -0.033 5 -0.010 4 -0.033 5 -0.010 4 -0.033 5 -0.010 4 -0.035 5 -0.010 4 -0.035 5 -0.010 4 -0.035 5 -0.010 4 -0.035 5 -0.010 4 -0.035 5 -0.010 5 -0.00	Incens 18.6 18.6 8.8 8.8 7.6 7.6 7.6 7.6 6.3 100.0 7.1 6.3 6.3 14.5 33.4 33.4 33.4		
AltLAB Command History Start Start Command History Start	Current Dire	terry t	WATLAB() Hex 0 5 1 4 1 4 1 4 1 4 1 4 1 4 1 4 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2	aSUbycoX V Window 2 2 3 1 3 1 3 1 3 2 2 2 2 2 2 2 2 2 2 2	4 Fucose 0 0 0 1 1 1 1 0 0 1 1 1 2 2	Heuke 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	HeuGe 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sulfate 1 1 1 1 1 0 1 1 0 1 1 0 1 1 0 1 0 1 0	Hex.A 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ha-13 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Pred 505.1 505.1 667.2 813.2 870.2 870.2 1016.3 1016.3 10178.3 1178.3 1235.4 1381.4 1381.4 1381.5 1527.5	Reasured 2 505.13 5 505.13 6 667.15 9 613.22 5 670.23 6 870.23 8 70.23 8 70.23 1 1016.33 1 1016.33 9 1176.33 9 1178.38 1 1235.41 1 1335.44 1 1381.44 1 1381.44 1 1382.45 5 1527.55	4 Error 4 0.013 1 -0.020 1 -0.020 0 -0.010 1 -0.023 0 -0.010 1 -0.023 0 -0.010 1 -0.023 1 -0.020 1 -0.023 1 -0.033 1 -0.033	Incens 18.6 18.6 7.8 61.3 100.0 7.1 6.3 14.5 35.4		
Command History Command History Command History Start Command History Start Command History Start Start Command History Start S	Current Dire	tory	WATLAB9 Hex 0 5 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1	0500ycoX V Waldaw Waldaw 2 0 2 2 0 3 1 3 1 4 2 2 4 4 2 2	4 7ucose 0 0 0 1 1 1 1 1 0 0 1 1 1 2 2	Betake 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	HeuGe 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sulfate 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	HexA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ba-13 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Pred 505.11 507.21 813.2 813.2 810.6 813.2 810.2 810.2 810.6 810.2 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6 810.6	Reasured 2 505.11 5 505.13 5 667.15 9 613.22 5 870.22 1 1016.32 9 117.6.33 9 117.6.33 9 1125.41 1 1225.41 1 1225.41 1 1225.43 1 1225.45 1 122.55 1 125.55 1 127.55 1 127.	4 Error 5 40.013 5 -0.020 5 -0.02	Intens 18.6 18.6 8.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8		
In the second seco	Current Dire	tory	WATLAB8 Hex 0 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0510/ycoX V V Volndov 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2	4 0 0 1 1 1 1 1 1 2 2	NetWo 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	HeuGe 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sulfate 1 0 1 0 1 0 1 0 1 0 1 0	Hirsta 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ha-H 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Pred 505.1 505.1 667.2 813.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 106.5 870.2 106.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 107.5 1	Reasured 2 505.13 5 505.13 5 667.19 8 813.22 5 870.22 1 1016.33 9 1178.35 9 1178.35 9 1178.35 9 1178.35 1 1315.44 1 1335.44 1 1335.44 1 1335.45 1 1325.55 1 1527.55 1 1 1527.55 1 1 1527.55 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 Error 3 40.013 3 -0.020 3 -0.020 4 -0.033 5 -0.010 4 -0.033 3 -0.010 4 -0.033 4 -0.030 4 -0.03	Intens 18.6 18.6 8.8 8.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.1 7.1 6.3 14.5 33.4 33.4 33.4		ا ا
ConvediyFile.m Command History Start Command History Command History Command History Command History Start Command History Command History Start Start Command History Command H	Current Dire	tory	WATLASS Here 1 1 1 1 1 1 1 1 1 1 1 1 1	55034coX V Windsor 2 165534co 2 2 3 1 3 1 3 1 4 2 2 4 2 2 2 2 2 2 3 3 1 1 3 3 1 1 4 2 2 4 2 2 2 3 3 1 1 3 3 1 1 3 3 1 1 3 3 1 3 3 1 3 3 1 3 3 1 3 3 1 3 3 1 3 3 1 3 3 1 3 3 1 3 3 1 3 3 1 3 3 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	4 Fucase 0 0 0 0 1 1 1 1 1 1 2 2	Heuke 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Meuße 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sulface 1 0 1 1 0 1 1 0 1 0 1 0 0 1 0 0	Hiexa 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ha-34 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Pred 505.11 505.11 667.21 813.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.2 870.	Reasured 2 505.12 5 505.13 5 667.15 8 670.27 8 70.27 8 70.27 9 70.27	4 Error 3 40.013 1 -0.020 2 -0.010 4 -0.025 2 -0.010 4 -0.025 3 -0.010 4 -0.025 3 -0.010 4 -0.033 3 -0.010 4 -0.033 3 -0.010 4 -0.033 4 -0.03	Intens 18.6 18.6 48.8 8.8 7.6 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8		

Figure 4. An output page of (a) N-linked glycans of bovine fetuin analyzed in the positive mode and (b) O-linked glycans of *X. tropicalis* eggs analyzed in the negative mode.

quasimolecular ions with compositions $[M - nH + (n+1)Na]^+$, where n = no. of acidic residues. We often observe multisodium adduct peaks in the mass spectra of acidic oligosaccharides. The Na⁺-exchanged peaks yield multiple quasimolecular ions that often complicate MS spectrum. A few oligosaccharide calculator programs have recently been described, but there are no programs that account for multisodium-adducted peaks. GlycoX is unique because it shows all common possible sodium combinations with the oligosaccharides in order to calculate the acidic glycan composition. N-linked glycans of bovine fetuin are highly glycosylated. To test the program, the oligosaccharides were released by PNGase F and analyzed by MALDI–MS in the positive ion mode. The resulting mass spectrum was entered into GlycoX to calculate the glycan compositions. Figure 4a shows the output page for the N-linked glycans of bovine fetuin. The results correctly determine the bi- and triantennary glycan compositions. All observed quasimolecular ions have $[M - nH + (n+1)Na]^+$, where *n* represents the number of sialic acid residues. Peaks corresponding to $[M - H + 2Na]^+$ of monosialylated bianten-

research articles

	1 - C - C - C	9	Current Directory:	Cibocuments	and Settin	ngs¥tlyunyoo)	My Document	s'Hyuniko's Old	Data¥Data for	GlycoXIGh	vcosylation/C	OLICOL1 ×	1					
Workspace	Stade Bate	*			7 ×	GP mass	Hex H	exNAc Fucos	e NeuAc	NeuGo	Sulfate	HexA	Ba-H	Pos 1	Peptide B	freor Int	ens	
Name	Size	Bytan	Class			2061.78	3	4 0	0	0	1	0	1	163	SVURN	+0.048	11.7	
BaseNass	1×4	32	double array	(global)	-	2075.81	3	2 2	1	0	ō	ō	2	154	PNETP	+0.036	\$3.3	
CurrentGlyffat	3×8	192	double array	(global)		2117.82	4	2 2	0	0	1	0	1	154	PNETPL	+0.033	54.7	
E Current Nonospe	c 2x359998	5759968	double array	(global)		2117.82	3	3 1	2	0	0	0	1	163	WEN	+0.053	54.7	
E Current Peaks	2x95	1520	double array	7 (global)		2117.82	4	3 2	0	0	1	0	1	154	HVPN	+0.094	54.7	
# CurrentSpec	2x359998	5759968	double array	(global)		2117.82	3	4 2	0	0	0	1	1	154	VPN	+0.053	54.7	
I GPBaseNass	1x4	32	double array	(global)		2159.84	5	2 1	õ	0	ĩ	0	1	154	HVPMET	+0.060	20.6	
HG1yMat .	3x8	192	double array	(global)		2209.88	4	3 2	0	0	1	0	1	154	VPNET	+0.074	12.0	
061yMat	3x8	192	double array	(global)		2237.87	3	2 2	0	0	0	1	1	154	VPNKTPLS PARTEL SV	-0.039	18.3	
2 Spec	2x359998	5759968	double array	t		2251.88	3	4 2	ő	0	0	î	î	163	FNSS	+0.073	42.7	
Spec1	2x200000	3200000	double array	r		2251.88	3	2 2	2		0	٥	1	163	FNSS	+0.073	42.7	
E Spec2	2x150001	2400016	double array	r		2279.88	3	4 0	0	0	1	0	1	154	PARTEL	+0.008	28.5	
ans	2x10	160	double array	7		2293.89	3	2 2	ĩ	0	ô	ő	2	163	LSVVRN	-0.004	62.8	
cgl1_gp1	2x21	336	double array	t -		2321.89	3	4 0	0	0	1	0	1	154	TCAMHABN	+0.008	17.6	
cg12_gp1	2x19	304	double array	ř		2321.89	6	2 1	0	0	1	0	1	154	HVPMET PLOVURN	+0.057	17.6	
egiXT_gpi	2x26	416	double array	r		2335.90	3	4 0	ő	0	3	0	î	154	VPNKTPLS	+0.071	36.7	
deg1_os	2849	784	double array	r.		2335.90	3	4 0	0	0	2	0	1	154	PNETPLSV	+0.071	36.7	
Cg1gp	28200000	3200000	double array	ſ		2335.90	6	2 0	0	0	1	0	1	154	PARTPLS	+0.027	36.7	
E carabi	28.36	576	double array			2335.90	7	2 1	o	0	0	0	ō	163	WRNSS	+0.033	36.7	
+ > Workspace	Current Dire	ectory				2343.94	5	2 1	0	0	1	0	1	154	VWHVPNK	+0.060	27.4	
Command Hatory					* ×	2377.90	6	2 1	0	0	1	0	2	154	OVUHVPN GVUHVPNV	+0.057	21.0	
plot(Spec2(1,:),	Spec2(2,:))	12			-	2497.99	3	2 2	i	0	0	0	2	154	MEVPNETP	+0.006	19.5	
Spec2 = ReadSpect	run ('CGL X	T2.txt');				2497.99	6	2 1	0	0	1	0	1	163	PLSVNRN	+0.067	19.5	
plot(5pec2(1,:),	Spec2(2,:))) :				2497.99	7	2 0	0	0	1	0	1	154	VPEKTPLS PRETPLSV	+0.064	19.5	
<pre>plot(Spec1(1,:),</pre>	Spec1(2,:))		h alvoon	inform	atick	2497.99	3	4 1	ő	0	ō	1	ĩ	154	VPMKTPLS	-0.017	19.5	
spec=ReadSpectrum	('cg1_os2.)	tat mit	n giycan	miorma	ation	2497.99	3	4 1	0	0	0	1	1	154	PHKTPLSV	-0.017	19.5	
plot(spec(1,:), s	pec(2,:));	×			200 - 200	2497.99	3	2 1	2	0	0	0	1	154	VPNKTPLS DEPTDI CV	-0.017	19.5	
SolvesP (cd11_dp1	, '8+', cg	1031, 'NH	, 'CGLISEQ.	txt', 0.1, 8	· <u>-</u>	>>			-					1.54	780.1763*	-0.017	19.9	
lat.						1												
Start HATLAD																		
Start	Window Help	10 10																
A Start A Start Fie Edit View Web C C K Re C	Window Help	1 16 ?	Current Directory:	C Documents	and Settin	ngs\Hyunjoo1	My Document	te Hyun Joo's Old	DetaiDeta for	r GlycoXIG	ycosylationW	CGL/OGL1 :	• •					
A Start HATLAS File Edit View Web	Window Help	1 1	Current Directory:	C Documents o	and Settin	ngs Hyvunjool [X] Com GP	My Document	isHyunJoo's Old Y HexNAC	DeterDeter for Fuccase N	GlycoX\G	ycosylationW DeuGc Su	OGLNOGL1 :	d 💌	ш. Ба-Н	Pos Pepti	de Erroj	: Inter	'nŝ
HATLAB HATLAB Fie Edit View Web & Re @ Worksroos @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @	Window Help S 바기 다 1 State: [0212	1 19 17	Current Directory:	C Documents of	and Settin	igs¥Hyunjool X GP 189	My Document Sand Window 2435 Nex 9,74 3	Is Hyun Joo's Old HexNAc 2	DetaiData for Pucose N 1	r GlycoX\GI IetuAc 1 0	ycosylationW GeuGc Su O	OGLIOGLI : Lifate P 0	exA 1	ца-Н 0	Pos Pepti 163 L3V	de Error VRNS -(: Inter 0.065	ns 14.0
A Start A Start File Edit View Web C C C C C C C C C C C C C C C C C C C	Window Help S H3 C4 1 State Date State	P P Pytes	Current Directory	C Documents	and Settin	gs\Hyunjool X GP 189 189	My Document wand Window wass Nex 9,74 3 9,74 3	teHsunJoo's Old V HexNAc 2 2	DeteiDete for Fucose N 1 1	r GlycoXIGI IeuAc I 0 0	ycosylationW DeuGc Su O	CGLVCGL1:	exa 1	а-Н 0 0	Pos Pepti 163 LSV 163 VWR	de Error URNS -(S551 -(: Inter 0.065 :	ns 14.0 14.0
AATLAS Fie Edit View Web Start Web 2000 Start Wase BaseTass	Window Help 5'87 CV 1 51ae: Dave 51ae 1x4	h ? Y P Bytes 32	Current Directory Eleas double array	C Documents ((global)	and Settin	189 (Com 189 189 189 189 189 189 189 189	My Document wass Nex 9,74 3 9,74 3 9,74 3 9,74 3	telHyunJoo's Old V HextNAc 2 2 2 3	DetaiDeta for Fucose N 1 1 0	r GlycoX/GI leuAc 1 0 1 1	ycosylationW GeuGc Su O O O	CGLVOGL1 : DITATE 1 0 0 0 0	exa 1	5a-H 0 1 1	Pos Pepti 163 LSV 163 VWR 163 NS 154 V	de Erron WRMSC BSSLC SLQ +-C SLQ +-C	: Inter 0.065 0.048 0.056	ns 14.0 14.0 14.0
Start MATLAB Fla Edt View Web Sart Sart Sase BoseRass CurrentSlyNat	Window Help 5 km cv 1 Stack Date Stack Date Stack 3x8	1 1 7 1 1 1 1 1 1 1 1 1 1	Current Directory: Class double array double array	C'Documents / / (global) / (global)	and Setär	193¥Hyunjool X 67 189 189 189 189 189 199	My Document base Wextan 9,74 3 9,74 3 9,74 3 9,74 4 9,74 4 1,78 5	to Phyun Joo's Old W Hex NAC 2 2 2 3 3 3	DeterDete for Fucose B I I 0 0	r GłycoXiGi leuAc I 0 1 1 0	ycosydationW BeuGc Su O O O O O O O	DGLIOGL1	exA 1		Pos Pepti 163 L3V 163 VWR 163 WW 154 NW	de Error WRNS -C SISL -C SLQ +C TPL -C	inter 0.065 0.065 0.048 0.056 0.030	ns 14.0 14.0 14.0 14.0 14.0
A Start A Start A Start A Start Care Res A Start A Start Care Res Care R	Window Help 54:ek Dare 51:ze 1x4 3x8 2x359998	1 7 9 9 9 9 19 5759968	Current Directory: Class double array double array double array	C'Documents ((global) (global) (global)	and Settin	199 ⁴⁴ yunjooh X G 1 1 1 1 1 1 1 1	My Document terror Window 19.74 3 9.74 3 9.74 3 9.74 3 9.74 3 1.78 3 1.78 5	telHsunJoo's Old W HexNAc 2 2 2 3 3 3 4	Deta/Deta for Fucose N 1 1 0 0 0	r GłycoXiGi leuAc I 0 1 1 0 1	ycosylationW 0 0 0 0 0	CGLIGGL1:	exa 3		Pos Pepti 163 L3W 163 VIR 163 SS 154 V 154 F 154 F	de Erron URNS -C SISL -C SLQ +C PN +C TPL -C NK +C	: Inter 0.065 0.065 0.048 0.056 0.030 0.030	ns 14.0 14.0 14.0 14.0 17.7
Start S	Window Help State Dire Size 1x4 3x8 2x359998 2x95	Bytes 32 192 5759968 1520	Current Directory: Class double array double array double array double array	C Documents ((global) (global) (global) (global)	and Settin a	189 (F) 189 189 189 189 189 199 199 199	Wy Document ward Window asss Hex 9,74 3 9,74 3 9,74 3 9,74 4 1,78 5 1,78 3 1,78 8 3,81 3	HextNac 2 2 3 3 4 2 3	Deta/Deta for Fucose N 1 1 0 0 0 0	GlycoXIGI IeuAc I 0 1 1 0 1 0	ycosydationW 0 0 0 0 0 0 0 0 0 0	CGLIGGL1:	exa 1	5a-H 0 1 1 1 0 2 0 0	Pos Pepti 163 LSW 163 VIR 163 VIR 154 V 154 N 154 P 163 1 154 HF	de Erron WINS(BSSL -C SLQ +(PB +(NK +(RB +(NK +(inter 0.065 0.065 0.068 0.056 0.068 0.068 0.068	ns 14.0 14.0 14.0 14.0 17.7 17.7 17.7 23.0
Start Start Start Start Start Start Satart S	Window Help State 07// 1x4 2x359998 2x359998	Bytes Bytes 32 192 5759968 1520 5759968	Class Class double array double array double array double array double array	C'Documents ((global) (global) (global) (global) (global)	and Settin	189 6 189 189 189 189 199 199 199 203	Wy Document wards Window wass Hex 9,74 3 9,74 3 9,74 3 9,74 4 1,78 5 1,78 3 1,78 8 3,81 3 3,81 3	HexNAc 2 2 3 3 4 2 3 2 2 3 2 2 2 2 3 2 2 2 2 2	Pucose N 1 1 0 0 0 1 0	r GłycoXiGi 0 1 1 0 1 0 0 0 0	ycosylationi 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CGLVOGL1 : 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ex A 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5a-H 0 0 1 1 1 0 2 0 0 0 0	Pos Pepti 163 L3W 163 VUR 154 V 154 V 154 V 154 HW 153 1 154 HWP 155 L54 HWP 154 HWP	de Erron WENS(ESSL(SLQ +-(PE +-(NK +-(NKTP(NKTP(NKTP(Inter 0.065 0.048 0.056 0.056 0.056 0.056 0.068 0.068 0.066 0.064 0.054	ns 14.0 14.0 14.0 17.7 17.7 23.0 23.0
Start S	Window Help Stat: 02117 Stat:	Bytes Bytes 32 192 5759968 1520 5759968 32	Current Directory Class double array double array double array double array double array	C Documents ((global) (global) (global) (global) (global)	and Settin	109 ₩γνηίου × 600 189 189 189 199 199 203 203 203	My Document ward Window 9.74 3 9.74 3 9.74 3 9.74 3 9.74 4 1.78 5 1.78 5 3.61 3 3.61 3 3.61 3 3.61 3	sHyundoo's Old Hextilac 2 2 3 3 4 2 3 2 3 3 4 2 3 3 2 3 3 2 3 3 3 3	Pucose II I I O O O I O I I O I	r GłycoXiGi 0 1 1 0 1 0 0 0 0	ycosylationi 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000000000000000000000000000000000000	exa 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Pos Pepti 163 LSW 163 VUR 154 V 154 W 154 HW 154 HW 154 HW 154 V 154 V 154 V	de Error URNS(SSSL(SSSL(SSSL(FPS +-(FPS +-(F	 Inter 0.65 0.65 0.68 0.56 0.30 0.60 0.60 0.54 0.60 0.54 0.614 0.647 	ns 14.0 14.0 14.0 17.7 17.7 23.0 23.0 23.0
A Start A Start A Start Catenary A Start Catenary A Start Catenary Caten	Window Help State Date: 3120 1x4 3x8 2x359998 1x4 3x8 1x4 3x8	Bytes Bytes 32 192 5759968 1520 5759968 32 192	Class double array double array double array double array double array double array double array	C Tocuments : (global) (global) (global) (global) (global) (global) (global)	and Settin	■ 189 ■ 189 ■ 189 189 199 199 199 203 203 203 203	My Docurrent ward Window 9,74 3 9,74 3 9,74 3 9,74 3 9,74 4 1,78 5 1,78 8 3,81 3 3,81 5 3,81 5 3,81 5	tsHounJoors Old v Hextilac 2 3 4 4 2 3 3 4 3 2 3 2 2 3 2 2 5 2 2 2 2 2 2 2 2 2 2 2	DetarData for Fucose R I I 0 0 0 1 0 1 1 0	GlycoX(Gl 0 1 1 0 1 0 0 1 0 0 1 1 0 0 0	ycosylationW 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CGLVCGL1; 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	exa 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5a-H 0 1 1 0 2 0 0 0 0 2 1 0	Pos Pepti 163 L3W 163 VHR 163 VHR 154 VH 154 HK 154 HK 154 HK 154 HK 154 K 154 K 154 K 154 K 154 K 154 K	de Erron UNNS -(ESSL -(ESSL -(ESSL +(PE +(NKTP -(PEK +(NKTP -(PEK +(NK +(PE -(inter 0.065 0.065 0.048 0.056 0.030 0.068 0.064 0.054 0.054 0.054 0.054 0.054 0.054 0.054 0.054	ns 14.0 14.0 14.0 17.7 17.7 23.0 23.0 23.0 23.0 23.0
Start S	Window Help State Date: 51ze 1x4 3x6 2x359998 2x359998 1x4 3x8 3x8 3x8	Pytes Bytes 32 192 5759968 1520 5759968 32 192 192	Class double array double array double array double array double array double array double array double array	C'Documents ((global) (global) (global) (global) (global) (global) (global) (global)	and Settin	105 ⁴ Hourijoo	Wy Document mass Hex 9,74 3 9,74 3 9,74 3 9,74 3 9,74 4 1,78 5 1,78 3 1,78 3 3,61 3 3,61 5 3,61 3 3,61 3 1,61 3 1,78 4	10 Hoursbooks Old V Hex NAC 2 2 3 3 4 2 3 3 4 2 3 3 2 2 3 2 2 2 2 2	DetarDeta for Pucose R 1 1 0 0 0 1 1 0 1 1 0 1 1 1 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1 1 1 1 0 0 0 0 1 1 1 1 0 0 0 0 0 1 1 1 1 0 0 0 0 1 1 1 0 0 0 0 1 1 1 0 0 0 0 1 1 1 0 0 0 0 1 1 1 0 0 0 0 1 1 1 0 0 0 0 1 1 1 1 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	GlycoX(Gl 0 1 1 0 1 0 0 1 1 0 0 0 1 1 0 0 0	ycosylationW 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CGLVCGL1 : 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	exa 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5a-H 0 1 1 0 2 0 0 0 2 1 0 0 0 0 2 1 0 0 0 0	Pos Pepti 163 L3V 163 WK 164 W 154 W 154 K 154 K 154 K 154 K 154 K 154 K 154 V 154 V 154 V 154 V 154 V	de Erron BESS - C SSSL - C SSSL + C SLO + C TPL - C INKT + C NKTP - C NKTP - C NKTP - C NKTP - C NKTP - C NKT + C NKT + C NKT + C	 Inter 0.065 0.065 0.056 0.030 0.068 0.054 	ns 14.0 14.0 14.0 17.7 17.7 23.0 23.0 23.0 23.0 23.0 23.0 23.0 23.0
Start S	Window Help 5 k7 c2 1 51ze 1x4 3x6 2x359998 2x95 2x359998 1x4 3x8 3x8 2x359998	Bytes Bytes 32 192 5759968 32 192 192 5759968	Clarent Directory Class double array double array double array double array double array double array double array double array	C'Documents ((global) (global) (global) (global) (global) (global)	and Settin	aga ₩µunjoot	Wy Document wants Hex 9,74 3 9,74 3 9,74 3 9,74 3 9,74 3 9,74 4 1,78 6 3,81 3 3,81 5 3,81 3 3,81 3 1,78 4 1,78 4 1,78 4	SHysunJoots Old HextNac 2 2 3 3 4 2 3 3 2 3 3 2 3 2 3 2 2 3 2 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Pucose R I I O O O I I I I I I I I I I I I I I	ClycoXIG 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0	ycosylationi 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CGLIGGL1:		Ta-H 0 0 1 1 0 2 0 0 0 0 2 1 0 0 0 0 0 0 0	Pos Pepti 163 LSV 165 JSS 154 V 154 W 154 W 154 W 154 V 154 V 155 V 1	de Erron URNS - C SLQ + C SLQ + C NKTP - C N N N N N N N N N N N N N N N N N N N	1 Inter 1 065 1 065 1 065 1 068 1 008 1 007 1 007 1 007 1 007 1 0078 1 00	ns 14.0 14.0 14.0 17.7 17.7 23.0 23.0 23.0 23.0 23.0 23.0 21.7 11.7
Start Start Start Start Start Start Sat	Window Help 5120 (1) 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5	Bytes Bytes 32 192 5759968 1520 5759968 322 192 5759968 320000	Class Class double array double array double array double array double array double array double array double array	C Tocuments ((global) (global) (global) (global) (global) (global) (global)	and Settin	Igsi₩yunjoo1 X Com 189 189 189 189 199 203 203 203 203 203 203 203 203	My Document vance Window aass Mex. 9.74 3 9.74 4 9.74 3 9.74 3 9.74 3 9.74 4 9.74 3 9.74 3 9.74 4 9.74 3 9.74 3 9.74 3 9.74 3 9.74 3 9.74 3 9.74 4 1.78 3 1.78 4 1.778 4 1.778 1.778 4 1.778 1.778 1.778 1.7798 4 1.7794 4 1.7794 4 1.7794 4 1.	ISHounJoo's Old V Itextilac 2 2 3 3 4 2 3 3 4 2 3 3 2 4 2 3 3 2 5 6 6 2 2 2 2 2 2 2 3 2 2 3 3 2 2 3 3 3 3	Pucose N I I I I O O O I I I I I I I I I I I I	r GłycoxiG 0 0 1 1 0 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 2	ycosylationi 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CGLIGGL1 : 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Ta-H 0 0 1 1 0 2 0 0 0 2 1 0 0 0 2 1 1 0 0 0 1 1	Pos Pepti 163 USV 163 USV 165 HS 154 HX 154 HY 154 HY 154 P 154 V 154 P 154 V 154 V 154 V 165 USV 165 USV 165 USV	de Erron USNS(SSSL(SSSL(SSL +-(FFF(FFF +-(FFF +-(FF	<pre>: Inter 0.065 0.065 0.068 0.050 0.054 0.054 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.014 0.0140000000000</pre>	ns 14.0 14.0 14.0 17.7 17.7 23.0 23.0 23.0 23.0 23.0 11.7 11.7 11.7
Start S	Window Help Stat: Dire Stat: Dire Lx4 3x8 2x359998 1x4 3x8 1x4 3x8 3x8 2x359998 1x4 2x359998 2x359998 2x359998 2x359998 2x359998	Bytes Bytes 32 192 5759968 32 192 5759968 32 92 192 5759968 320000 2400016	Class double array double array	C'Documents ((global) (global) (global) (global) (global) (global) (global)	and Settin	gs ₩ourjool x Gen if y if	My Document mass Hex Works 9.74 3 9.74 3 9.74 3 9.74 3 9.74 3 9.74 3 9.74 3 9.74 3 9.74 3 9.74 3 1.78 3 3.81 3 3.81 5 3.81 5 3.81 5 3.81 5 3.81 5 3.81 5 3.81 5 3.81 5 3.81 5 3.78 4 1.78 4 1.78 4 1.78 5 1.78 3 1.78 3 1.78 3	**************************************	DeterDate for Fucose N 1 1 0 0 0 1 1 1 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	e Głycok/Gel 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 1 0 0 1 1 1 1 0 0 1 1 1 1 0 0 1 1 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ycosydetionW 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CGLICGL1 : 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		5a-H 0 1 1 0 2 0 0 0 2 1 0 0 0 2 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 0 1 1 1 0 0 0 0 0 1 1 1 1 0 0 0 0 0 0 1 1 1 1 1 1 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Pos Pepti 163 UNP 163 UNP 164 UNP 154 UNP 154 UNP 154 UNP 154 UNP 154 UNP 154 UNP 154 UNP 163 L59 154 UNP 163 UNP 163 UNP 164 UNP 165 UNP	de Erron UNNS -C SSL -C SSL -C SSL +C NNC P NNCTP -C NNCTP -C NNCTP -C NNCTP -C NNCTP -C NNCTP -C SL +C SL +	<pre>: Inter 0.065 0.065 0.066 0.056 0.056 0.054 0.054 0.054 0.054 0.072 0.072 0.079 0.078 0.078 0.078 0.078 0.078 0.034</pre>	ns 14.0 14.0 14.0 17.7 23.0 23.0 23.0 23.0 23.0 11.7 11.7 11.7 11.7
	Window Help (54-5 C2 1 51-6 1x4 3x8 2x359998 2x4 2x359998 2x4 3x8 2x359998 2x359998 2x4 3x8 2x359998 2x250900 2x150001 2x10	Bytes Bytes 32 192 5759968 32 192 5759968 32 192 5759968 3200000 2400016 160	Class double array double array	C Documents ((global) (global) (global) (global) (global) (global) (global)	and Settin	204 Hourison x Cons 189 189 189 199 199 199 203 203 203 203 203 203 203 203	My Docurrent mars Hex 9,74 3 9,74 3 9,74 3 9,74 3 9,74 3 9,74 3 9,74 4 1,78 5 3,81 5 3,81 5 3,81 5 3,81 3 1,78 4 1,78 4 1,78 4 1,78 5 5,81 3	SiHiyunJao's Old Hextilac 2 2 3 3 4 2 3 3 4 2 3 3 2 2 3 5 5	PataDota for Fucose 8 1 1 0 0 0 1 1 1 0 1 1 0 0 1 1 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	ChycoXiGi leuAc 1 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 2 1 0 0	ycosyladioni 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	COLUCGL1 : 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	d		Pos Pepti 163 137 163 137 164 17 154 17 154 17 154 17 154 17 154 17 154 17 154 17 154 17 154 17 155 157 163 15 154 17 154 17 154 17 154 17 154 17 154 17 154 17 154 17 154 17 154 17 155	de Error BRS -(BSSL -	 Inter 0.065 0.065 0.066 0.030 0.056 0.030 0.054 0.047 0.047 0.072 0.019 0.078 0.078 0.078 0.078 0.078 0.078 0.078 0.078 0.035 0.032 	ns 14.0 14.0 14.0 17.7 23.0 23.0 23.0 23.0 23.0 11.7 11.7 11.7 53.3
A Start A Start A Start A Start Cat View Web Cat View Web Cat Cat Cat View Water Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat	Window Help Stat: 0::::::::::::::::::::::::::::::::::	Bytes Bytes 32 192 5759968 1520 5759968 322 192 5759968 3220000 2400016 160 336	Class Class double array double array	CTocuments ((global) (global) (global) (global) (global) (global) (global)	and Settin	189 Hourjool X Con 189 189 199 199 203 203 203 203 203 203 203 203	By Document mass Hex 9.74 3 9.74 3 9.74 3 9.74 3 1.78 5 3.81 3 3.81 3 3.81 3 1.78 4 1.78 4 1.78 4 1.78 4 1.78 4 1.78 4 1.78 4 1.78 4 1.78 5 3.81 3 3.81 3 3.81 3 3.81 3 3.81 3 3.81 3 3.81 3 3.81 3 3.81 3 3.81 3 3.81 4	18 Mounubors Old V HextBac 2 2 3 4 2 3 4 2 3 3 4 2 3 3 4 2 3 3 2 4 3 3 2 3 3 2 2 3 3 3 3 4 2 3 3 3 4 5 2 2 2 3 3 3 4 5 2 2 2 3 3 3 4 5 5 5 6 6 6 7 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 8 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8	Dets/Dets for 1 1 1 0 0 0 1 0 1 1 0 0 1 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	GlycoxYGS 0 0 1 1 0 0 1 1 0 0 0 0 1 1 1 0 0 0 0	ycosylationW 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	COLICCIII 111400 8 0 0 0 0 0 0 0 0 0 0 0 0 0		5a-H 0 1 1 0 2 0 0 0 2 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Pos Pepti 163 USV 163 USV 164 US 154 US 154 HWF 154 HWF 154 WF 154 USV 154 USV 154 USV 154 USV 163 USV 163 USV 163 USV 154 USV 155 USV	de Erron USNS(SLQ +-(SLQ +-(TPL(TPL(FER +-(FER	<pre>Inter 1.065 0.065 0.050 0.050 0.054 0.054 0.014 0.014 0.014 0.014 0.014 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.0150 0.0150 0.0150000000000</pre>	ns 14.0 14.0 17.7 23.0 23.0 23.0 23.0 11.7 11.7 11.7 53.3 53.3
Start S	Window Help Stat: 000/ Stat: 000/ Stat: 000/ Stat 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x10001 2x10 2x10 2x21 2x19	* * * * * * * * * * * * * * * * * * *	Clarent Directory Class double array double array	C'Eccuments ((global) (global) (global) (global) (global) (global) (global)	and Settin	■ 189 ■ 189 189 199 199 199 199 199 199	My Document anss Hex 9,74 3 9,74 3 9,74 3 9,74 3 9,74 3 9,74 3 9,74 3 1,78 8 3,01 5 3,01 5 5,01 4 5,01 5 5,01 4 5,01 5 5,01 4 5,01 5 5,01 4 5,01 5 5,01 5	1814sunJoo's Old v Electric 2 2 2 3 3 4 2 3 3 4 2 3 3 2 4 2 3 3 2 2 5 2 2 3 3 5 2 2 3 3 5 2 2 3 3 3 5 2 2 3 3 3 5 2 2 3 3 3 5 2 2 3 3 3 5 5 5 5	DeteDeta for Fucose 8 1 1 0 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	GlycolA(G 0 0 1 1 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ycosylationi 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	COLLOCL1 1 1fate 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		5a-H 0 0 1 1 0 2 0 0 0 0 2 1 0 0 0 0 1 1 1 1	Post Peptil 163 Law 163 Law 163 MR 163 MR 164 WR 154 MR 155 MR 163 MR 154 MR 155 MR 156 MR	de Erron UBNS	Inter 1.065 0.065 0.068 0.068 0.050 0.054 1.068 0.014 1.068 0.014 1.068 0.014 1.068 0.014 1.068 0.014 1.068 0.014 1.068 0.014 1.068 0.014 1.068 0.014 1.068 0.014 1.068 0.014 1.068 0.014 1.068 0.014 1.068 0.014 1.068 0.014 1.068 0.014 1.068 0.014 1.068 0.014 1.068 0.014 1.068 0.014 1.068 0.014 1.068 0.014 1.068 0.014 1.068 0.014 1.068 0.014 1.068 0.014 1.068 0.014 1.068 0.014 1.078 0.014 1.009 0.034 0.035 0.034 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.	ns 14.0 14.0 14.0 23.0 23.0 23.0 23.0 23.0 23.0 23.0 23
Start S	Window Help Stark: 0200 Stark: 0200 Stark: 0200 Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark Stark	Image: style="text-align: center;">Image: style="text-align: center;"/>Image: style="text-align: cente	Current Directory: Class double array double array	C Documents ((global) (global) (global) (global) (global) (global)	and Setti	■u:Phurpoi	My Document varies Window 19.74 3 9.74 3 9.74 3 9.74 3 9.74 3 9.74 3 9.74 3 1.78 8 3.81 3 3.81 3 3.81 3 3.81 3 1.78 4 1.78 4 1.78 3 1.78 4 1.78 5 5.81 3 5.81 4 5.81 3 5.81 4 5.81 3 5.81 3 5.81 4 5.81 3 5.81 3 5.81 3 5.81 4 5.81 3 5.81 3 5.81 4 5.81 3 5.81 4 5.81 3 5.81 4 5.81 3 5.81 4 5.81 3 5.81 4 5.81 3 5.81 3 5.81 4 5.81 3 5.81 3 5.81 4 5.81 3 5.81 4 5.81 3 5.81 3 5.81 4 5.81 3 5.81 3 5.81 3 5.81 4 5.81 3 5.81 5 5.81 5 5	stHyun,boo's Old V V 2 2 2 3 3 4 4 2 3 3 2 3 3 2 2 3 3 2 2 3 3 5 2 2 3 3 5 2 2 3 3 4	DeterCose R 1 1 1 0 0 0 1 1 0 1 1 1 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	GlycolAG 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 2 1 0 0 1 1 2 2 1 0 0	ycosykłowie 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CGLIGGLI1 11fate 1 0 0 0 0 0 0 0 0 0 0 0 0 0		5a-H 0 0 1 1 0 2 0 0 0 0 2 1 0 0 0 0 1 1 1 0 0 0 0	Pos Pepti 163 USV 164 USV 165 IS 154 US 154 US 155 US 154 US 155	de Erron urms SLQ SLQ SLQ TPL TPL TPL MR +- MRTP SUQ +- MRTP MRTP MRTP MRTP MRTPS MRTPS MRTPS MRTPS MRTPS MRTPS MRTPS MRTPS MRTPS <td><pre>: Inter 0.065 .068 .068 .066 .056 .056 .056 .056 .056 .056 .056</pre></td> <td>ns 014.00 14.00 14.01 14.02 17.77 17.77 23.00 23.00 23.00 23.00 23.00 23.00 23.01 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23</td>	<pre>: Inter 0.065 .068 .068 .066 .056 .056 .056 .056 .056 .056 .056</pre>	ns 014.00 14.00 14.01 14.02 17.77 17.77 23.00 23.00 23.00 23.00 23.00 23.00 23.01 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23
Start S	Window Help 5122 1 5128 1 5128 1 2125998 2x45 2x359998 1x4 3x8 2x359998 2x45 2x359998 2x450000 2x150001 2x10 2x21 2x26 2x26	P Byres 32 152 5759966 5759966 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 193 193 193 194 160 195 194 160 195 194 195 195 196 197 198 198 199 190 <td>Current Deectory Class Class double array double array</td> <td>CTocuments ((global) (global) (global) (global) (global) (global) (global)</td> <td>and Settin</td> <td>gar¥+.orgool GP GP GP GP GP GP So GP So So</td> <td>My Document mass Hex 9.74 3 9.74 3 9.74 3 9.74 4 1.78 5 1.78 8 1.78 8 1.78 8 1.78 8 1.78 8 1.78 8 1.78 8 1.78 4 1.70 4 1.70 4 1.70 4 1.70 4 1.70 4 1.70 4 1.70 5 5.81 3 5.81 3 5.81 3 5.81 5 5.81 5</td> <td>18 Meuruluo S Old V Hextilac 2 2 3 3 4 4 2 3 3 4 2 3 3 4 2 3 3 5 5 2 2 2 3 3 5 5 2 2 3 3 5 5 2 2 3 3 5 5 5 2 2 3 3 5 5 5 2 2 3 3 5 5 5 1 4 5 5 5 1 1 5 1 5 1 5 1 5 1 5 1</td> <td>Defendence a for Puccese a for 1 1 0 0 1 1 0 0 1 1 1 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1 1 1 1 0 0 0 0 1 1 1 1 0 0 0 0 0 0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>GlycolAG</td> <td>ycosylation 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>COLLOCL1 : 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td></td> <td>10 1 1 0 0 0 0 0 0 0 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>Poss Peptil 163 LSV 163 VER 163 VER 164 VE 154 VE 165 VE 153 VE 154 VE 155 VE 163 VE 163 VE 163 VE 163 VE 164 VE 164 VE 164 VE</td> <td>de Erron UNNS SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU</td> <td>Inter 1065 1065 1065 1068 1056 1056 1056 1056 1056 1056 1056 1056 1056 1056 1056 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057</td> <td>ns 14.0 14.0 14.0 14.0 23.0 23.0 23.0 23.0 23.0 11.7 53.3 53.3 53.3 53.3 53.3 53.3</td>	Current Deectory Class Class double array double array	CTocuments ((global) (global) (global) (global) (global) (global) (global)	and Settin	gar¥+.orgool GP GP GP GP GP GP So GP So	My Document mass Hex 9.74 3 9.74 3 9.74 3 9.74 4 1.78 5 1.78 8 1.78 8 1.78 8 1.78 8 1.78 8 1.78 8 1.78 8 1.78 4 1.70 4 1.70 4 1.70 4 1.70 4 1.70 4 1.70 4 1.70 5 5.81 3 5.81 3 5.81 3 5.81 5 5.81 5	18 Meuruluo S Old V Hextilac 2 2 3 3 4 4 2 3 3 4 2 3 3 4 2 3 3 5 5 2 2 2 3 3 5 5 2 2 3 3 5 5 2 2 3 3 5 5 5 2 2 3 3 5 5 5 2 2 3 3 5 5 5 1 4 5 5 5 1 1 5 1 5 1 5 1 5 1 5 1	Defendence a for Puccese a for 1 1 0 0 1 1 0 0 1 1 1 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1 1 1 1 0 0 0 0 1 1 1 1 0 0 0 0 0 0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	GlycolAG	ycosylation 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	COLLOCL1 : 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		10 1 1 0 0 0 0 0 0 0 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	Poss Peptil 163 LSV 163 VER 163 VER 164 VE 154 VE 165 VE 153 VE 154 VE 155 VE 163 VE 163 VE 163 VE 163 VE 164 VE 164 VE 164 VE	de Erron UNNS SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU SSU	Inter 1065 1065 1065 1068 1056 1056 1056 1056 1056 1056 1056 1056 1056 1056 1056 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057 1057	ns 14.0 14.0 14.0 14.0 23.0 23.0 23.0 23.0 23.0 11.7 53.3 53.3 53.3 53.3 53.3 53.3
Start S	Window Help Stat: 0007 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S122 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124 S124	w w Bytes 32 192 5759960 50 5759960 22 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 192 193 192 194 160 195 194 196 194 197 192 198 192 198 192 198 192 198 192 198 192 198 192 198 <td>Clarent Directory Class double array double array</td> <td>CTocuments ((global) (global) (global) (global) (global) (global) (global)</td> <td>and Settin</td> <td>■ 19/1+0+0+0+0+0</td> <td>My Document mass Hex 9,74 3 9,74 3 9,74 3 9,74 3 9,74 3 9,74 3 9,74 3 1,78 5 1,78 8 3,01 5 3,01 5 3,01 5 3,01 5 3,01 5 3,01 5 3,01 5 3,01 5 5,01 4 1,78 4 1,78 5 1,78 4 1,78 5 5,01 3 5,01 3,01 3 5,01 3,01 3,01 3,01 3,01 3,01 3,01 3,01 3</td> <td>IstHourubor's Old V HextMac 2 2 3 3 4 2 3 3 4 2 2 3 3 5 2 2 3 3 5 2 2 3 3 5 2 2 3 3 5 2 2 3 3 5 2 2 3 3 4 2 3 3 5 2 2 3 3 4 2 3 3 5 2 2 3 3 4 2 3 3 5 2 2 3 3 4 2 3 3 5 2 2 3 3 4 2 3 3 5 2 2 3 3 3 5 4 2 2 3 3 5 4 2 2 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5</td> <td>Deta/Deta for Pircoase 1 1 0 0 0 1 1 1 0 0 1 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>Glycol/Gl leukc 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 2 1 1 2 0 0 1 1 1 2 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>ycos yktowi Beugia Su 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>11100110111 11101 0 0 0 0 0 0 0 0 0 0 0</td> <td></td> <td>a-H 0 0 1 1 0 2 0 0 0 2 1 0 0 1 2 1 0 1 2 0</td> <td>Post Peptil 163 Law 163 VER 163 VER 164 VER 154 VER 155 VER 163 VER 163 VER 164 VER 165 VER 166 VER 163 VER 164 VER 165 VER 166 VER 163 VER 164 VER 165 VER 164 VER</td> <td>de Erroo BSSL</td> <td><pre>Inter 1065 1065 1065 1066 1006 1066 1066 1066</pre></td> <td>ns 14.0 14.0 14.0 14.0 14.0 23.0 23.0 23.0 23.0 23.0 11.7 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.5 53.3 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53</td>	Clarent Directory Class double array double array	CTocuments ((global) (global) (global) (global) (global) (global) (global)	and Settin	■ 19/1+0+0+0+0+0	My Document mass Hex 9,74 3 9,74 3 9,74 3 9,74 3 9,74 3 9,74 3 9,74 3 1,78 5 1,78 8 3,01 5 3,01 5 3,01 5 3,01 5 3,01 5 3,01 5 3,01 5 3,01 5 5,01 4 1,78 4 1,78 5 1,78 4 1,78 5 5,01 3 5,01 3,01 3 5,01 3,01 3,01 3,01 3,01 3,01 3,01 3,01 3	IstHourubor's Old V HextMac 2 2 3 3 4 2 3 3 4 2 2 3 3 5 2 2 3 3 5 2 2 3 3 5 2 2 3 3 5 2 2 3 3 5 2 2 3 3 4 2 3 3 5 2 2 3 3 4 2 3 3 5 2 2 3 3 4 2 3 3 5 2 2 3 3 4 2 3 3 5 2 2 3 3 4 2 3 3 5 2 2 3 3 3 5 4 2 2 3 3 5 4 2 2 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5	Deta/Deta for Pircoase 1 1 0 0 0 1 1 1 0 0 1 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	Glycol/Gl leukc 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 2 1 1 2 0 0 1 1 1 2 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ycos yktowi Beugia Su 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	11100110111 11101 0 0 0 0 0 0 0 0 0 0 0		a-H 0 0 1 1 0 2 0 0 0 2 1 0 0 1 2 1 0 1 2 0	Post Peptil 163 Law 163 VER 163 VER 164 VER 154 VER 155 VER 163 VER 163 VER 164 VER 165 VER 166 VER 163 VER 164 VER 165 VER 166 VER 163 VER 164 VER 165 VER 164 VER	de Erroo BSSL	<pre>Inter 1065 1065 1065 1066 1006 1066 1066 1066</pre>	ns 14.0 14.0 14.0 14.0 14.0 23.0 23.0 23.0 23.0 23.0 11.7 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.5 53.3 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53.5 53
Start S	Window Help Stark Cover 3120 CV 1 5120 2x359998 2x359998 2x359998 2x359998 2x200000 2x150001 2x10 2x10 2x12 2x21 2x21 2x21 2x24 2x200000 2x36	2 2 2 2 2 2 2 2 2 2 2 2 2 2	Class double array double array	C'Documents ((global) (global) (global) (global) (global) (global)	and Settin	19/14/sr(2010	My Document wars Hex 9,74 3 9,74 3 9,74 3 9,74 3 9,74 3 9,74 3 9,74 3 9,74 3 1,78 8 3,01 3 1,78 8 3,01 3 3,01 3 3,01 3 3,01 3 3,01 3 1,78 4 1,78 4 1,78 3 1,78 4 1,78 3 1,78 4 1,78 3 5,01 3 5,01 3 5,01 3 5,01 3 5,01 3 5,01 3 7,02 4 7,02 4 7,02 4 1,02 4	1914-Jouruboo's Old 2 2 2 3 3 4 2 3 3 4 2 2 3 3 2 2 3 3 5 2 2 3 3 5 2 2 3 3 5 2 2 3 3 5 2 2 3 3 3 2 2 3 3 3 2 2 3 3 3 2 2 2 3 3 3 2 2 2 3 3 3 2 2 2 3 3 3 4 2 2 2 3 3 3 4 2 2 2 3 3 3 4 4 2 2 2 3 3 3 4 4 2 2 2 3 3 3 4 4 2 2 2 3 3 3 4 4 2 2 2 3 3 3 4 4 2 2 2 3 3 3 4 4 2 2 2 3 3 3 4 4 2 2 2 3 3 3 4 4 2 2 2 3 3 3 4 4 2 2 2 2	DetaColar for 1 1 1 1 0 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	elycol/(G) elycol/(G) 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	ycos yktowie Berudic 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DOGLIOGEL 1 11 State 1 0 0 0 0 0 0 0 0 0 0 0 0 0		an-H 0 0 1 1 0 2 0 0 0 2 1 1 0 0 2 1 0 0 1 1 2 1 0 1 2 2 0 1	Post Peptii 163 L37 163 VUR 163 VUR 164 V 154 V 154 K 154 K 154 VF 154 VF 154 VF 154 VF 154 VF 154 V 153 VUR 153 VUR 153 VUR 154 F 154 F 154 F 155 VUR 155 VUR 15	d+ Xrrow WHMS	 Inter 0.065 0.065 0.066 0.060 0.050 0.054 0.053 	ns 0 14.0 14.0 17.7 17.7 23.0 23.0 23.0 23.0 11.7 11.7 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53
Start S	Window Help Size 1 Size 1 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x200000 2x19 2x26 2x36 Current Direc	**************************************	Current Deactory: Class double array double array	CTocuments ((global) (global) (global) (global) (global) (global)	and Settin	Pgr¥kurpot GP	My Docurrent mass Hex 9.74 3 9.74 3 9.74 3 9.74 3 9.74 3 9.74 3 1.70 3 1.70 3 1.70 3 1.70 3 3.81 5 3.81 5 3.81 5 3.81 5 3.81 5 5.81 5 5.81 3 5.81 4 5.81 4 8 5.81 3 8 5.81 3 8 7.82 3 7.82 3 7.83 3 7.83 3 7.84 3 7.84 3 7.84 3 7.84 3 7.84	18 Meuruluo S Old 2 2 2 3 3 4 2 2 3 3 4 4 2 3 3 4 4 2 2 3 3 4 5 5 2 2 2 3 3 5 5 5 2 2 2 3 3 3 3 3 2 2 2 2	Det#Code fo 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Glycox/Gl 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 2 1 0 0 1 1 2 1 0 0 1 1 2 2 2	ycosyddiadau Beulac 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CRUCCL1 : 1fate 1 0 0 0 0 0 0 0 0 0 0 0 0 0		58-H 0 0 1 1 0 2 0 0 0 2 1 0 0 0 2 1 0 0 1 1 1 0 1 2 1 0 1 1 2 0 1 1 1 0 1 2 1 0 1 1 2 0 1 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Pos Pepti 163 LSV 163 VIR 164 VIR 164 VIR 154 VIR 155 VIR 1	de Erron UNNS NSSL NSSL NSSL NSL NSL NSL NSL NSL NSSL NSSL NSSL SLQ NSSL SLQ NSSL SLQ NSL NSL NSL SLQ NSL SLQ NSL SLQ NSL	 Inter 0.065 0.065 0.066 0.060 0.050 0.054 0.055 0.055 0.050 	ns 0 14.0 14.0 17.7 17.7 23.0 23.0 23.0 23.0 11.7 11.7 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53
Start	Window Help stark Dury 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120 5120	2 2 2 2 2 2 2 2 2 2 2 2 2 2	Class Class double array double array	CTocuments ((global) (global) (global) (global) (global) (global) (global)	and Settin	• 19/₩-rcoto	My Document Name Workson Name Workson 9,74 3 9,74 3 9,74 3 9,74 3 9,74 3 9,74 3 1,78 6 3,01 5 3,01 5 3,01 5 3,01 5 3,01 5 3,01 5 3,01 5 3,01 5 3,01 5 3,01 3 1,78 4 1,70 4 1,70 4 1,70 4 1,70 5 1,78 5 5,81 3 5,01 3 7,02 4 7,02 5 7,02	18 Mounubor's Old V Herstilac 2 2 3 3 4 2 3 3 4 2 3 3 4 2 3 3 5 2 2 3 3 5 2 2 3 3 5 2 2 3 3 5 2 2 3 3 5 5 2 2 2 3 3 5 5 2 2 3 3 4 2 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5	Deta/Deta for 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	Glycowr(G) Glycowr(G) 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	ycosyletion/ Beruidic 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	COLICGLI 1 1fate 1 0 0 0 0 0 0 0 0 0 0 0 0 0		Ta-H 0 0 1 1 0 2 0 0 0 2 1 0 0 0 1 1 1 0 1 2 1 0 1 2 0 1 1 1 1	Pos Pepti 165 LW 165 LW 165 LS 154 WR 154 K 154 K 154 K 154 K 154 K 154 K 154 K 154 K 154 K 155 K 1	de Erron WINNS	Inter 1.065 0.065 0.046 0.056 0.046 0.056 0.054 0.050 0.054 0.078 0.078 0.078 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.051 0.056 0.050 0.050 0.050 0.051 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.	ns 014.00 14.00 14.02 17.77 23.00 23.02 23.02 23.02 23.02 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 25.33 23.33 25.33 25.33 25.33 25.33 25.33 25.33 25.33 25.33 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25.55 25
Start S	Window Help Star: 00/// Size 1x4 3x8 2x359998 2x95 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x359998 2x35998 2x35998 2x35998 2x35998 2x35998 2x35998 2x35998 2x35998 2x35998 2x35998 2x35998 2x35998 2x35998 2x35998 2x35998 2x35998 2x200000 2x10 2x28 2x48 2x200000 2x28 2x48 2x298 2x48 2x29 2x48 2x29 2x48 2x48 2x48 2x48 2x26 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2x48 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2	Clarent Directory Class double array double array	C'Eccuments ((global) (global) (global) (global) (global) (global)	and Settin	•gri¥kurpoto GP GP GP 189 199 199 199 200 200 200 200 200 200 200 2	My Document anss Hex 9,74 3 9,74 3 9,74 3 9,74 3 9,74 3 9,74 3 9,74 3 9,74 3 1,78 8 1,78 8 1,78 8 1,78 4 1,78 4 1,78 4 1,78 3 1,78 4 1,78 4 1,78 3 1,78 4 1,78 4 1,78 3 1,78 4 1,78 4 1,78 3 1,78 4 1,78 5 1,78 4 1,78 4 1,78 5 1,78 4 1,78 5 1,78 4 1,78 5 1,78 4 1,78 4 1,78 5 1,78 4 1,78 5 1,78 4 1,78 5 1,78 4 1,78 5 1,78 4 1,78 5 1,78 5 1,78 4 1,78 5 1,81 3 1,82 3 1,82 4 7,82 3 9,04 3 3,84 5 1,84 5	18149-un-Joo's Old v 2 2 2 3 3 4 2 3 3 4 2 3 3 4 2 3 3 4 2 2 3 3 5 2 2 2 3 3 5 2 2 2 3 3 5 2 2 2 3 3 5 2 2 2 2	Deta/Deta for Paccase # 1 1 0 0 0 1 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	GlycolAG3 GlycolAG3 0 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	ycos yktowi Beugia Statowi 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DELVOL1: Ifate : 0 0 0 0 0 0 0 0 0 0 0 0 0		10-11 0 0 1 1 0 2 0 0 0 2 1 0 0 0 1 1 1 0 1 2 1 0 1 2 0 1 1 1 0 0 1 2 1 0 1 2 0 1 1 1 1	Post Peptil 163 Law 163 Law 163 Law 164 WE 154 WE 155 WE 155 WE 154 WE 155 WE 154 WE </td <td>de Error UNNS</td> <td>Inter 1,065 1,068 1,068 1,056 1,056 1,056 1,056 1,054 1,058 1,058 1,072 1,019 1,078 1,078 1,078 1,078 1,078 1,078 1,074 1,034 1,034 1,035 1,035 1,055 1,055 1,055 1,055 1,055 1,055 1,055 1,055 1,055 1,055 1,055 1,055 1,055 1,055 1,055 1,055 1,055 1,055 1,055 1,055 1,055 1,055 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,054 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057</td> <td>ns 014.00 14.00 14.02 17.77 23.00 23.02 23.02 23.02 23.02 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25</td>	de Error UNNS	Inter 1,065 1,068 1,068 1,056 1,056 1,056 1,056 1,054 1,058 1,058 1,072 1,019 1,078 1,078 1,078 1,078 1,078 1,078 1,074 1,034 1,034 1,035 1,035 1,055 1,055 1,055 1,055 1,055 1,055 1,055 1,055 1,055 1,055 1,055 1,055 1,055 1,055 1,055 1,055 1,055 1,055 1,055 1,055 1,055 1,055 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,054 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057 1,057	ns 014.00 14.00 14.02 17.77 23.00 23.02 23.02 23.02 23.02 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 23.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25.03 25
Start S	Window Help Stack Orac Stack O Stack	Image: second	Current Desctory: Class double array double array	C'Documents ((global) (global) (global) (global) (global) (global)	and Settin	• 193 ₩ • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 • 194 \bullet 1	My Docurrent mass Hex 9.74 3 9.74 3 9.74 3 9.74 3 9.74 3 9.74 3 9.74 3 9.74 3 9.74 3 1.78 6 3.81 5 3.81 5 3.81 5 3.81 5 3.81 5 3.81 5 3.81 5 3.81 5 5.81 4 5.81 3 5.81 3 5.81 3 5.81 3 5.81 3 5.81 3 7.82 4 7.82 4 7.84 4 7	18 Mounubors Old 2 Hestilac 2 2 3 3 4 4 2 2 3 3 4 4 2 2 3 3 4 5 5 2 2 2 3 3 5 5 2 2 2 3 3 3 3 3 3 3 2 2 2 2	Det#Code fo 1 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 0 1 1 1 0 0 0 0 1 1 1 0 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	Given XGG Given XGG 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	ycoss-Matonia Beulaic 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	COLLOCAL 1 : 111200 1 : 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		In-H 0 0 1 1 0 2 0 0 0 2 1 0 0 1 2 1 0 1 2 1 0 1 2 1 0 1 2 1 0 1 2 1 0 1 2 1 0 0 0 0	Poss PepEli 163 L37 163 VUR 163 VUR 154 V 163 U 164 U 165 U 164 U 154 U 163 U 164 U 163 U 164 U 163 U 164 </td <td>de X x x x x x x x x x x x x x x x x x x x</td> <td>Inter 1.065 1.068 1.068 1.068 1.056 1.054 1.058 1.072 1.072 1.072 1.073 1.072 1.074 1.072 1.074 1.072 1.074 1.072 1.074 1.072 1.074 1.072 1.074 1.072 1.074 1.072 1.074 1.074 1.072 1.054 1.055 1.055 1.056 1.055 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.057 1.072 1.072 1.072 1.055 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.057 1.057 1.055 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.</td> <td>n# 014.00 14.01 14.02 23.00 11.77 23.02 23.00 11.77 11.77 53.33 53.33 53.33 53.33 53.33 53.33 53.33 53.47 54.77 54.77 54.77 54.77 54.77 54.77</td>	de X x x x x x x x x x x x x x x x x x x x	Inter 1.065 1.068 1.068 1.068 1.056 1.054 1.058 1.072 1.072 1.072 1.073 1.072 1.074 1.072 1.074 1.072 1.074 1.072 1.074 1.072 1.074 1.072 1.074 1.072 1.074 1.072 1.074 1.074 1.072 1.054 1.055 1.055 1.056 1.055 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.057 1.072 1.072 1.072 1.055 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.057 1.057 1.055 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.056 1.	n# 014.00 14.01 14.02 23.00 11.77 23.02 23.00 11.77 11.77 53.33 53.33 53.33 53.33 53.33 53.33 53.33 53.47 54.77 54.77 54.77 54.77 54.77 54.77
A Start	Window Help Stark Direct Stark Direct Sta	2 2 2 2 2 2 2 2 2 2 2 2 2 2	Current Directory: Class double array double array	C'Uccumerts ((global) (global) (global) (global) (global) (global) (global)	and Settin	•gr¥kurpoto GP GP GP GP GP GP GP GP GP GP	My Document asss Hex 9,74 3 9,74 3 9,74 3 9,74 3 9,74 3 9,74 4 1,76 5 1,78 6 3,01 5 1,78 6 3,01 5 3,01 5 3,01 5 3,01 5 3,01 5 3,01 5 5,01 3 5,01 3	18 Mounubors Old V Herettac 2 2 3 4 2 3 4 2 3 3 4 2 3 3 4 2 3 3 4 2 3 3 5 2 2 3 3 5 2 2 2 2 3 3 3 4 2 2 2 2 2 3 3 3 4 2 2 2 2 2 3 3 3 4 4 2 2 2 2 2 3 3 3 4 4 2 2 2 2 3 3 3 4 4 2 2 2 2 3 3 3 3 3 3 5 5 2 2 2 3 3 3 3 5 5 2 2 2 2 3 3 3 5 5 2 2 2 2 3 3 3 5 5 2 2 2 2 3 3 5 5 2 2 2 2 3 3 5 5 2 2 2 2 2 3 3 5 5 2 2 2 2 2 2 2 3 3 5 5 2 2 2 2 2 2 2 2 3 3 5 5 2 2 2 2 2 2 2 2 2 2 2 2 2	Deta/Deta for 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	GlycowKG GlycowKG 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	ycosylution/ Beruidic SU 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DORLHOOLI 1 1 1 fate 4 0 0 0 0 0 0 0 0 0 0 0 0 0		In-H 0 0 1 1 0 2 0 0 0 2 1 0 0 0 1 1 1 0 1 2 1 0 1 2 1 1 1 1	Poss Peptil 163 LSX 163 HSX 163 HSX 164 HYX 154 HYX 163 LXY 154 HYX 155 YXX 163 HXX 163 HXX 163 HXX 163 HXX 163 HXX 163 HXX 164 HYX 165 XXX 164 HXX 154 HXX 154 HXX 154 HXX 154 HXX 155 HYXX 154 HXX	de Erron WENES	 Inter 0.065 0.065 0.064 0.064 0.064 0.054 0.055 0.065 	n# 014.00 14.00 14.01 23.00 23.00 23.00 11.77 23.02 23.00 11.77 53.33 53.33 53.33 53.33 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 55 55 55 55 55 55 55 55 55 55 55 55 5
Start S	Window Help Stat: 00// Stat: 00// Stat: 00// Stat: 00// Stat: 00// Stat: 00// Stat: 00// Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat Stat	P Bytes 32 5759960 1520 5759963 22 182 3200000 2400016 360 304 416 3200000 576 3200000 576 3200000 576 3200000 576 3200000 576 575966 3200000 576 575967 5759968 3200000 576 575967 5759968 5759969 5759969 5759969 575969 5759969 575969 575969 575969 575969 575969 575969 575969 575969 575969 575969 575969	Clarent Directory Class double array double array	C'Ecouments ((global) (global) (global) (global) (global) (global)	and Settin	•griHvarpoot	My Document mass Hex 9,74 3 9,74 3 9,74 3 9,74 3 9,74 3 9,74 3 1,78 4 1,78 5 1,78 6 3,81 5 3,81 5 3,81 5 3,81 5 5,81 4 1,78 4 1,84 4 1,94 4 1,	IstHouruboo's Old V HextMac 2 2 2 3 3 4 2 3 3 4 2 3 3 4 2 3 3 5 2 2 3 3 5 2 2 3 3 5 2 2 2 3 3 5 2 2 2 3 3 5 2 2 2 3 3 5 2 2 2 3 3 5 2 2 2 3 3 5 2 2 2 3 3 5 5 2 2 2 3 3 5 5 2 2 2 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5	Deta/Deta for 1 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	Glycol/GS Glycol/GS 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	ycosylation/ Beruidic 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	COLLOCIA 1 1 111111111111111111111111111111111		Ta-H 0 0 1 1 0 2 0 0 0 2 1 0 0 0 1 1 1 0 1 2 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Post Peptil 163 Law 163 VER 163 VER 164 VER 154 VER 155 VER 163 VER 163 VER 163 VER 163 VER 164 VER 154 VER	de Erroo WENES	 Interfactor 1065 1.065 0.068 0.068 0.068 0.068 0.054 0.054 0.034 0.034 0.034 0.034 0.034 0.034 0.034 0.035 0.054 0.034 0.035 0.054 0.051 0.053 0.054 0.051 0.053 0.054 0.051 0.053 0.050 0.053 0.063 0.063 0.063 0.063 0.064 0.051 0.051 	n# 14.0 14.0 14.0 14.0 23.0 23.0 23.0 11.7 7 11.7 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.3 53.5 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7
Start S	Window Help Stac: Covern Stac: Covern Sta	Image: second	Class double array double array	C'Documents ((global) (global) (global) (global) (global) (global) (global) (global)	and Settin	•gr+V+urpoot	My Document mass Hex 9,74 3 9,74 3 9,74 3 9,74 3 9,74 3 9,74 3 9,74 3 9,74 3 9,74 3 9,74 3 1,78 8 3,01 3 1,78 8 3,01 3 3,01 3 3,01 3 3,01 3 3,01 3 1,78 4 1,78 4 1,78 3 1,78 4 1,78 5 1,81 3 1,81 3	1814-Jouruboo's Old 2 2 2 2 3 3 4 2 2 3 3 4 2 2 3 3 4 2 2 2 3 3 5 2 2 2 3 3 5 2 2 2 3 3 5 2 2 2 3 3 5 2 2 2 3 3 5 2 2 2 3 3 4 2 2 2 3 3 3 5 2 2 3 3 3 4 2 2 2 3 3 3 4 2 2 2 3 3 3 4 2 2 2 3 3 3 4 2 2 2 3 3 3 4 2 2 2 3 3 3 4 2 2 2 3 3 3 4 2 2 2 3 3 3 4 2 2 2 3 3 3 4 2 2 2 3 3 3 4 4 2 2 2 3 3 3 4 4 2 2 2 3 3 3 4 4 2 2 2 3 3 3 4 4 2 2 2 3 3 3 3	DeterCode for 1 1 1 1 0 0 0 1 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	Given XGG	ycossektowie Beuße 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DQLWQL11 111111 1 0 0 1 0 0 0 0 0 0 0 0		In-H 0 0 1 1 0 2 0 0 0 2 1 0 0 0 1 1 1 0 1 2 0 0 1 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Post Peptil 163 Lay 163 VER 163 VER 154 VER 155 VER 163 VER 163 VER 163 VER 163 VER 164 VER 165 VER 164 VER 165 VER 164 VER 154 VER 154 VER 154 VER 154 VER 154 VER 154 VER	de X f f or MINIS -	 Inter 1065 0.065 0.066 0.066 0.060 0.056 0.056 0.056 0.054 0.054 0.054 0.054 0.054 0.054 0.054 0.054 0.078 0.054 0.078 0.054 0.054 0.054 0.054 0.054 0.054 0.055 0.054 0	n# 14.0 14.0 14.0 17.7 7 23.0 23.0 23.0 11.7 7 53.3 53.3 53.3 53.3 53.3 53.3 53.3
Start S	Window Help Stark Dire Stark	* * * * * * * * * *	Current Deectory: Class double array double array	CTocuments ((global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global) (global)	and Settin	• 19/94, w pool of the first sector of the fi	My Document asss Hex 9,74 3 9,74 3 9,74 3 9,74 3 9,74 4 1,78 5 1,78 8 1,78 8	18 Meuruluo So Old V Heestilaac 2 2 3 3 4 2 3 3 4 2 2 3 3 4 2 2 2 2 3 3 5 5 2 2 2 2 2 2 2 2 2 2 2 2 2	DetaCorta for 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	GiyeowKG 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ycosylution/ Beulais 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	COLLOCALI 1 LIASCE 0 0 0 0 0 0 0 0 0 0 0 0 0 0		In-H 0 0 1 1 0 2 0 0 0 2 1 0 0 0 1 1 1 0 1 2 1 0 1 2 0 1 1 1 0 0 1 1 0 1 0	Poss Peptin 163 L54 VER 163 VER 164 VER 164 VER 164 VER 154 VER 154 VER 154 VER 154 VER 154 VER 154 VER 154 VER 154 VER 165 VER 154 VER 165 VER 154 VER 163 VER 163 VER 163 VER 154 VER 163 VER 154 VER 164 VER 154 VER 154 VER 154 VER	det Erron det Erron SSSL	<pre>Inter 1065 1065 1065 1066 1060 1060 1060 1060</pre>	nst 14.00 14.00 14.01 14.02 23.00 23.00 23.00 23.00 23.00 11.77 53.33 53.33 53.33 53.33 54.77 54.77 54.77 54.77 54.76 54.76 54.76 54.77 54.76 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 54.77 55.75 54.77 55.75 54.77 55.75 54.77 55.75 54.77 55.75 54.77 55.75 54.77 55.75 54.77 55.75 54.77 55.75 54.77 55.75 54.77 55.75 54.77 55.75 54.77 55.75 54.77 55.75 54.77 55.75 54.77 55.75 54.77 55.75 54.77 55.75 54.77 55.75 54.77 55.75 54.77 55.75 54.77 55.75 54.77 55.75 54.77 55.75 54.77 55.75 54.77 55.75 54.77 55.75 54.77 55.75 54.77 55.75 54.77 55.75 54.77 55.75 54.77 55.75 54.77 55.75 54.77 55.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57.75 57

Figure 5. An output page of N-linked glycosylation sites of XL CGL1 using (a) glycan and glycopeptide masses together and (b) only glycopeptide masses in GlycoX.

nary and triantennary were observed in the mass spectrum at m/z 1976.69 and 2341.84, respectively. A disialylated triantennary composition were also found at m/z 2654.92 ([M - 2H + 3Na]⁺). A trisialylated triantennary composition was observed at m/z 2967.99 ([M - 3H + 4Na]⁺).

The composition of O-linked oligosaccharides can also be determined. In addition, the negative mode can also be analyzed as readily as the positive mode. The MS spectrum of an O-linked oligosaccharide was obtained in the negative ion mode and examined by GlycoX. The oligosaccharides were released from the egg jelly coats of *Xenopus tropicalis* by β -elimination. The output is shown in Figure 4b with all the oligosaccharides correctly determined. All of the peaks corresponded to the deprotonated species ([M - H]⁻).

3. Determination of Glycosylation Sites. The glycoproteins were digested with a nonspecific protease and purified as described previously.⁹ A portion of the glycoprotein sample was treated with PNGase F to release N-linked oligosaccharides. The digested glycopeptides and glycans were purified by PGC–SPE. The PGC fractions of the glycopeptides and the N-linked glycans were analyzed by MALDI–FTMS in both the positive and negative mode. The mass intensity (M/I) table, saved as

Table 1

GP mass	Hex	HexNAc	Fuc	NeuAc	no. Na	Pos	peptide	error
1991.78	3	2	0	0	1	154	VWHVPNKTP	0.08
2117.82	5	2	0	0	1	154	VWHVPNK	0.04
2159.84	5	2	0	0	1	154	LGVWHVPN	0.03
2167.85	4	2	0	0	1	154	WHVPNKTPL	0.07
2209.88	5	5	0	0	1	154	NKT	0.06
2237.87	4	5	0	1	1	154	NK	0.06
2279.88	6	2	0	0	1	154	VWHVPNK	0.04
2279.88	4	5	0	0	1	154	HVPNK	0.02
2321.89	6	2	0	0	1	154	LGVWHVPN	0.04
2321.89	3	5	1	0	1	154	WHVPN	0.00
2321.89	3	4	0	0	1	154	LGVWHVPN	0.01
2335.90	3	4	0	0	1	154	(V)PNKTPLS(V)	0.07
2335.90	6	2	0	0	1	154	(V)PNKTPLS(V)	0.03
2343.94	9	2	0	0	1	154	VPNK	0.08
2377.90	6	2	1	0	1	154	VWHVPN	0.06
2497.99	7	2	0	0	1	154	(V)PNKTPLS(V)	0.06
2497.99	3	4	1	0	1	154	(V)PNKTPLS(V)	0.02
2520.02	4	4	0	0	1	154	GVWHVPNKT	0.02
1899.74	5	2	0	0	1	163	(S)VWRN(S)	0.02
2061.78	6	2	0	0	1	163	(S)VWRN(S)	0.00
2061.78	4	5	0	0	1	163	RNS	0.02
2061.78	3	4	0	0	1	163	(S)VWRN(S)	0.05
2075.81	3	3	0	0	1	163	PLSVWRNS	0.05
2251.88	4	5	1	0	1	163	NSSL	0.05
2293.89	5	4	0	0	1	163	WRNSS	0.05
2455.96	3	4	1	0	1	163	VWRNSSLQ	0.05

ASCII files, and the corresponding glycoprotein sequences from the Swiss-Prot/TrEMBL database saved in FASTA format (text file) were entered into GlycoX.

To determine the glycosylation sites and the accompanying glycans, the isotope filtered masses were then enumerated for combinations of glycan and peptides. Peptides of variable lengths, up to the user-specified lengths, were examined. The peptide composition was determined from the calculated mass by comparing all possible sequences from the monopeptide to the user-specified maximum peptide sequence. For glycan masses, the program generates possible combinations that can fit in the given mass. Alternatively, masses from the glycan profile spectra can be used. For complicated glycosylation, the measured glycan profile should be used.

Several glycoproteins were used to determine the efficacy of GlycoX. These glycoproteins range from the simple, with one site of glycosylation, to the more complex, with multiple sites of glycosylation. For comparison, the glycans and glycosylation sites were also determined manually using the same data. The results obtained using the GlycoX were identical to those determined manually. In addition, GlycoX found several more glycopeptides that were missed by the manual treatment. Model glycoproteins with known glycosylation sites such as ribonuclease B (with one glycosylation site) and chicken ovalbumin (with two sites and one occupied) were tested and yielded the correct results (data not shown).^{31–33}

For examples of more complicated glycoproteins (with unknown glycosylation sites), cortical granule lectins (CGL1 and CGL2) from *Xenopus laevis* (*XL*) eggs and CGL from *X. tropicalis* (*XT*) eggs were examined. An output page of N-linked glycosylation site of *XL* CGL1 by GlycoX is shown in Figure 5a. Glycopeptides were sorted by increasing glycopeptide masses.

GlycoX can be used to predict the glycosylation site without the glycan information. Figure 5b shows the output table of determined glycosylation sites using only glycopeptides masses without the experimentally determined glycan profile.

Figure 5a shows the partial output for of CGL1 from *X. laevis* determined with the experimental glycan profile included in

.HVP¹⁵⁴NKTPLSV WR¹⁶³NSSLQRYR....

Figure 6. Distribution of the glycans on the two glycosyaltion sites.

the input. The output lists the glycopeptides by increasing masses. This allows the listing of multiple hits for the same mass to be examined together. Table 1 provides the same information with the glycopeptides sorted according to the glycosylation sites. The compositions are consistent with the known glycans from the glycan profile. Each glycan composition is represented by several glycopeptides. For example, the GlcNAc₂Man₆ (oligo-Man6) oligosaccharide is represented by six peptides. Figure 5b shows the output of GlycoX for the same glycoprotein determined without the experimental glycan profile. In the output, there is an entry for a Man12, which is not present in CGL1. However, there is only a single entry for this glycan, which makes it unlikely to be present in the glycoprotein. Single entries are a good indication that the glycopeptide is a false-positive hit and can be excluded. These results illustrate that the glycan profile is useful but not absolutely necessary for glycoproteins with even two sites of glycosylation.

The high mass accuracy is another important factor in eliminating false-positive results, especially in the determination of glycosylation sites without the glycan information. To illustrate the effects of mass error tolerance, the glycosylation sites of CGL2 of X. laevis using only glycopeptides masses were examined by GlycoX. As expected, one obtains more glycopeptide hits with the lower tolerance. For this example, 1836 hits were obtained with a mass tolerance of 1.0 Da, 502 with 0.1 Da, and 181 with 0.05 Da. The number of hits decreases further to 42 with a mass tolerance of 0.02 Da. Upon inspection, we found that all 42 were correct and all other hits above this number were false positive. However, when glycan information is provided, then the mass accuracy can be relaxed to 0.1 Da. In this case, 37 hits were obtained corresponding to "true" glycopeptides. These results confirm that high mass accuracy (<10 ppm) is needed for the determination of glycosylation sites when there is no glycan information. However, if some glycan information is known, the false-positive hits can be decreased even with less mass accuracy. These experiments can therefore be performed on high mass accuracy instruments such as orbitraps and time-of-flight, and maybe even ion traps or quadrupoles, when glycan information is available.

The CGL1 of *X. laevis* has two potential glycosylation sites. On the basis of this analysis, we found that both sites are occupied (¹⁵⁴Asn and ¹⁶³Asn). The oligosaccharides associated

research articles

with each sites are shown in cartoon form in Figure 6. The putative glycan structures in Figure 6 were based solely on the glycan masses and were not verified with additional analysis. However, these assignments are consistent with several structures as determined independently by NMR.³⁴ CGL2 of *X. laevis*, with three potential sites, was also examined and was found to contain only two occupied sites (¹⁵⁴Asn and ²¹⁷Asn). The glycosylation sites of this protein have been determined manually in the previous publication.⁹ The GlycoX analysis yields the same exact results.

Conclusions

The program GlycoX aids in the interpretation of MS data from a nonspecific protease treatment of a glycoprotein. The determination includes both the occupation of the site and site heterogeneity. We employed primarily FTICR–MS for the analysis; however, similar analyses can be performed on other high-mass accuracy instruments that are now becoming widely available. Additionally, both ionization methods, MALDI and electrospray ionization (ESI), can be used for this analysis. The method of nonspecific protease digestion with the automated data analysis could find wide applications in the determination of glycosylation sites on glycoproteins. The current method of tryptic digestion has specific limitations, but it provides welldefined peptide chains. For this reason, the two methods may be complementary.

The software will be made available upon requests. To fully automate the analysis, it would be desirable to have a graphical interface that draws the glycans and the associated sites automatically.

Acknowledgment. We gratefully acknowledge the financial support provided to C.B.L. by the National Institutes of Healthy (R01 GM049077) and to D.M.R. by the National Cancer Institute (P30 CA093373-04) and the National Institute of Environmental Health Sciences (P42-ES0469). We also thank Drs. Jerry Hedrick and Thomas Peavy for providing the sample of the *Xenopus cortical granule lectin*.

References

- (1) Varki, A. Glycobiology 1993, 3, 97-130.
- (2) Helenius, A.; Aebi, M. Science 2001, 291, 2364-2369.
- (3) Lowe, J. B. Cell 2001, 104, 809-812.
- (4) Butler, M.; Quelhas, D.; Critchley, A. J.; Carchon, H.; Hebestreit, H. F.; Hibbert, R. G.; Vilarinho, L.; Teles, E.; Matthijs, G.; Schollen, E.; Argibay, P.; Harvey, D. J.; Dwek, R. A.; Jaeken, J.; Rudd, P. M. *Glycobiology* **2003**, *13*, 601–622.
- (5) Marquardt, T.; Freeze, H. Biol. Chem. 2001, 382, 161-177.

- (6) Brockhausen, I. Biochim. Biophys. Acta 1999, 1473, 67–95.
- (7) Apweiler, R.; Hermjakob, H.; Sharon, N. *Biochim. Biophys. Acta* **1999**, *1473*, 4–8.
- (8) Juhasz P.; Martin, S. A. Int. J. Mass Spectrom. **1997**, 169, 217–230.
- (9) An, H. J.; Peavy, T. R.; Hedrick, J. L.; Lebrilla, C. B. Anal. Chem. 2003, 75, 5628–5637.
- (10) Imre, T.; Schlosser, G.; Pocsfalvi, G.; Siciliano, R.; Molnar-Szollosi, E.; Kremmer, T.; Malorni, A.; Vekey, K. J. Mass Spectrom. 2005, 40, 1472–1483.
- (11) Mormann, M.; Paulsen, H.; Peter-Katalinic, J. Eur. J. Mass Spectrom. 2005, 11, 497–511.
- (12) Hagglund, P.; Bunkenborg, J.; Elortza, F.; Jensen, O. N.; Roepstorff, P. J. Proteome Res. 2004, 3, 556–566.
- (13) Medzihradszky, K. F.; Maltby, D. A.; Hall, S. C.; Settineri, C. A.; Burlingame, A. L. J. Am. Soc. Mass Spectrosc. 1994, 5, 350–358.
- (14) Krokhin, O.; Ens, W.; Standing, K. G.; Wilkins, J.; Perreault, H. Rapid Commun. Mass Spectrom. **2004**, *18*, 2020–2030.
- (15) Zhang, H.; Li, X. J.; Martin, D. B.; Aebersold, R. Nat. Biotechnol. 2003, 21, 660–666.
- (16) Bunkenborg, J.; Pilch, B. J.; Podtelejnikov, A. V.; Wisniewski, J. R. Proteomics 2004, 4, 454–465.
- (17) Dezutterdambuyant, C.; Schmitt, D. A.; Dusserre, N.; Hanau, D.; Kolbe, H. V. J.; Kieny, M. P.; Gazzolo, L.; Mace, K.; Pasquali, J. L.; Olivier, R.; Schmitt, D. *Res. Virol.* **1991**, *142*, 129–138.
- (18) Bezouska, K.; Sklenar, J.; Novak, P.; Halada, P.; Havlicek, V.; Kraus, M.; Ticha, M.; Jonakova, V. *Protein Sci.* **1999**, *8*, 1551–1556.
- (19) Cooper, C. A.; Gasteiger, E.; Packer, N. H. Proteomics 2001, 1, 340–349.
- (20) Wilkins, M. R.; Gasteiger, E.; Gooley, A. A.; Herbert, B. R.; Molloy, M. P.; Binz, P. A.; Ou, K. L.; Sanchez, J. C.; Bairoch, A.; Williams, K. L.; Hochstrasser, D. F. *J. Mol. Biol.* **1999**, *289*, 645–657.
- (21) Lehmann, W. D.; Bohne, A.; von der Lieth, C. W. J. Mass Spectrom. 2000, 35, 1335–1341.
- (22) Wuhrer, M.; Koeleman, C. A. M.; Hokke, C. H.; Deelder, A. M. Anal. Chem. 2005, 77, 886–894.
- (23) Wuhrer, M.; Balog, C. I. A.; Koeleman, C. A. M.; Deelder, A. M.; Hokke, C. H. *Biochim. Biophys. Acta* **2005**, *1723*, 229–239.
- (24) Jiang, H.; Desaire, H.; Butnev, V. Y.; Bousfield, G. R. J. Am. Soc. Mass Spectrosc. 2004, 15, 750–758.
- (25) Jiang, H.; Irungu, J.; Desaire, H. J. Am. Soc. Mass Spectrosc. 2005, 16, 340–348.
- (26) Larsen, M. R.; Hojrup, P.; Roepstorff, P. Mol. Cell. Proteomics 2005, 4, 107–119.
- (27) Quadroni, M.; Ducret, A.; Stocklin, R. Proteomics 2004, 4, 2211– 2215.
- (28) Wehofsky, M.; Hoffmann, R.; Hubert, M.; Spengler, B. Eur. J. Mass Spectrom. 2001, 7, 39–46.
- (29) Wehofsky, M.; Hoffmann, R. J. Mass Spectrom. 2002, 37, 223–229.
- (30) Johnson, K. L.; Muddiman, D. C. J. Am. Soc. Mass Spectrosc. 2004, 15, 437–445.
- (31) Wilm, M.; Mann, M. Anal. Chem. 1996, 68, 1-8.
- (32) Suzuki, T.; Kitajima, K.; Emori, Y.; Inoue, Y.; Inoue, S. Proc. Natl. Acad. Sci. U.S.A. 1997, 94, 6244–6249.
- (33) Fu, D. T.; Chen, L.; Oneill, R. A. *Carbohydr. Res.* **1994**, *261*, 173–186.
- (34) Song, Y. W., N. J.; Shimoda, Y.; Hedrick, J. L. unpublished results. PR0602949