## **Emacs Buffers**

<u>Operation</u>	<u>Keystroke</u>	Function	<u>Note</u>		
Emacs Buffers	Emacs information and edited files are all held inside Emacs buffers. This table lists the commands you can use to list and manage buffers.  PEL provides the pel-pkg-for-buffer customization group to control some aspect of Emacs buffers. The user options are:  • pel-use-uniquify : activates uniquify to that buffer names show the distinguishing directory after the file name, like this: fname dir  • pel-use-ascii-table : activates the ascii-table external package. See Help/Info for the key binding.  • pel-use-nhexl-mode : activates the nhexl-mode external package used to display and manipulate the content of the current buffer in hexadecimal.  • pel-use-popup-switcher: activates the popup-switcher external package used for piping up a list of buffers.				
	PEL also provides a Hydra that manipulates Emacs windows and buffers. See the <u><b>Windows</b></u> table for its description.				
Open this PDF file. See also: <u>Nelp/Info</u>	<f11> b <f1></f1></f11>	(pel-help-pdf &optional OPEN-WEB- PAGE)	Open the local copy of the <u><b>Dauffers</b></u> PDF file unless a command prefix (like <b>C-u</b> ) was used. In that case it opens the Github-hosted file instead.		
<u>∑ Customize</u> PEL Buffer Support	<f11> b <f2></f2></f11>	(pel-customize-pel &optional OTHER-WINDOW)	Customize PEL Buffer support: open PEL buffer support specific group.  • If OTHER-WINDOW is non-nil (use <b>C-u</b> ), display in other window.		
<u>S Customize</u> Emacs & external package buffer support	<f11> b <f3></f3></f11>	(pel-customize-library &optional OTHER-WINDOW)	Customize Emacs and external packages related to buffer. This includes the following customize groups: Buffer-menu, ibuffer, minibuffer, hexl, nhexl, popup-switcher. When a prefix argument (like <b>C-u</b> ) opens the buffer inside another window.  • PEL prompts for files that may not be loaded to allow you to access all customization groups.		
List Buffers & Switch to Buffer	The first 2 commands open a menu overlaid on the current buffer that you can use to switch to another buffer:  • buffer-menu-open is a drop-down hiererchical menu  • psw-switch-buffer is a pop-up menu.  The switch-to-buffer command uses a prompt at the bottom of the frame. The list-buffers and ibuffer commands use a new buffer.				
Open buffer menu See also: <u>➤ Menus</u>	• C- <f10> • <c-down- mouse-1=""></c-down-></f10>	(buffer-menu-open)	Start key navigation of the buffer menu.  List buffers in a drop-down menu.  Lists the buffers by major-mode when several buffers of the same major-mode are opened.		
List open buffers in popup menu	<f11> b b</f11>	(psw-switch-buffer &optional ARG)	In graphics mode this can also be invoked using the < <u>C-down-mouse-1&gt;</u> Show buffers list menu to switch buffer in a popup window menu.  • If ARG show only buffers with files and without * in the beginning and end of the buffer name.  • Requires <u>popup-switcher</u> activated by PEL when <u>pel-use-popup-switcher</u> useroption is turned on (t).		
Switch to buffer  See also: ∑ Completion/ Input	С-х в	(switch-to-buffer BUFFER-OR-NAME &optional NORECORD FORCE-SAME- WINDOW)	Switch window to display the previous, or another buffer (entered at echo area prompt).  The invisible buffers have a name that start with a space. To see them type space and tab and a list of those buffers will appear before the list of visible buffers.  See Completion/Input for description of completion modes available.		
List all buffers	С-х С-ь	(list-buffers & optional ARG)     (ibuffer & optional OTHER-WINDOW-P NAME QUALIFIERS NOSELECT SHRINK FILTER-GROUPS FORMATS)	Display a list of existing buffers in a buffer named "*Buffer List*", the buffer displays information about all buffers and enters the <i>Buffer Menu Mode</i> . See the keystrokes for the Buffer Menu Mode below.  ➡ The PEL package uses the 'ibuffer' function instead, which provides more functionality, working like dired, allowing to sort by name, size, mode, filtering by mode (hit return on the mode of a buffer). Type <f1> m to get the list of possible actions that can be done on the listed buffers.</f1>		
Next/Previous Buffer	The following comman	ds change current buffer to next or previous	s buffer, or to what was used last.		
Switch to next buffer	• C-x <right> • C-x C-<right> • <f11> b n</f11></right></right>	(next-buffer)	Switch to the next buffer displayed in the current window.		
Switch to previous buffer	• C-x <left> • C-x C-<left> • <f11> b p</f11></left></left>	(previous-buffer)	Switch to the previous buffer displayed in the current window.		
Switch to previous buffer in window	<f11> b 1</f11>	(pel-switch-to-last-used – buffer)	Switch buffer in current window to the buffer previously seen in this window. Used twice returns to the same buffer.		
Manage Buffers	The following comman	ds support buffer management: display info	ormation, change read-only mode, clone buffer, rename buffer, kill buffer, etc		
Show name of previous buffer in window	<f11> b P</f11>	(pel-show-window-previous-buffer)	Show the name of previous buffer used in the current window.		
Toggle read-only status of buffer	• C-x C-q • <f11> b r</f11>	(read-only-mode &optional ARG)	When the buffer is in read-only mode the <a href="modeline">modeline</a> shows '%%' on the left side, in the 'ch' area of "cs:ch-fr buf pos line (major minor)".  The <a href="manual">manual</a> states: "For a read-only buffer, it shows '%*' if the buffer is modified, and '%%' otherwise."  See also: the <a href="Wiew Mode">Wiew Mode</a> activating commands toward the end of this table.  A buffer in View Mode cannot be modified.  The View Mode may be used to ensure that no modifications are made to a buffer (visiting a file or not).		
Clone buffer	<f11> b c</f11>	(clone-buffer &optional NEWNAME DISPLAY-FLAG)	Create and return a twin copy of the current buffer.  • Unlike an indirect buffer, the new buffer can be edited independently of the old one (if it is not read-only). NEWNAME is the name of the new buffer. It may be modified by adding or incrementing <n> at the end as necessary to create a unique buffer name.  • For example if buffer *Help* is opened it opens another one named *Help*&lt;2&gt; (or *Help*&lt;3&gt; if *Help*&lt;2&gt; already exists, etc)</n>		
Rename a buffer	<f11> b R</f11>	(rename-buffer NEWNAME &optional UNIQUE)	If UNIQUE argument is non-nil via C-u M-x rename-buffer, the name is auto generated to be unique.		
Rename buffer - use unique name	<f11> b U</f11>	(rename-uniquely)	Rename the current buffer by adding ' <number>' to the end.  • Use this if you want multiple *Buffer* or *Info* buffers for example.  • Example: StackExchange: How can I have multiple help buffer with different content</number>		
Kill current buffer	• <f11> b k • %-k</f11>	(kill-current-buffer)	Kill (close) the current buffer. Does not prompt if there is no change in the buffer.  • PEL also provides a window management Hydra with ability to kill the current buffer.		
See also: <u>∑ Windows</u> Kill buffer	• %-& C-x k	(kill-buffer &optional BUFFER-OR-	See <u>Windows</u> for more info.  Kill (close) the current buffer.		
Kill current buffer and	• C-x 4 0	NAME) (kill-buffer-and-window)	Always prompt to identify a buffer, current is identified. Press enter to kill the buffer.  Kill the current buffer and delete the selected window.		
See also: Windows  Kill some buffer	• <f7> k</f7>	/kill come buffers ?embles - LLOT	PEL also provides a window management Hydra with ability to kill the current buffer and close windows in separate operations. See <u>&gt; Windows</u> for more info.    Vill sems buffers   Asks the user whether to kill seek are of them.		
Kill some buffer  Delete all windows of a		(kill-some-buffers & optional LIST) (delete-windows-on & optional	Kill some buffers. Asks the user whether to kill each one of them.  Deletes all windows showing BUFFER-OR-NAME, by calling 'delete-window' on those		
specific buffer		BUFFER-OR-NAME FRAME)	windows.		

<u>Operation</u>	<u>Keystroke</u>	Function	<u>Note</u>
Accumulating Text	Emacs provides the fol	lowing commands to insert text in buffer from	om various sources.
Append region to specified buffer	<f11> b M-a</f11>	(append-to-buffer BUFFER START END)	Append to specified BUFFER the text of the region.  The text is inserted into that buffer before its point.  BUFFER can be a buffer or the name of a buffer; this function will create BUFFER if it doesn't already exist.
Prepend region to specified buffer	<f11> b M-p</f11>	(prepend-to-buffer BUFFER START END)	Prepend to specified BUFFER the text of the region.  The text is inserted into that buffer after its point.  BUFFER can be a buffer or the name of a buffer; this function will create BUFFER if it doesn't already exist.
Copy region to specified buffer (replacing old content)	<f11> b C-c</f11>	(copy-to-buffer BUFFER START END)	Copy to specified BUFFER the text of the region.  The text is inserted into that buffer, replacing existing text there.  BUFFER can be a buffer or the name of a buffer; this function will create BUFFER if it doesn't already exist.
Insert content of specified buffer at point	<f11> b i</f11>	(insert-buffer BUFFER)	Insert after point the contents of BUFFER.  • Puts mark after the inserted text.  • BUFFER may be a buffer or a buffer name.
Append region's text to specified file	<f11> b f</f11>	(append-to-file START END FILENAME)	Append the contents of the region to the end of file FILENAME.  • This does character code conversion and applies annotations like 'write-region' does.
Indirect Buffers	As described in <a href="Emacs Indirect Buffer section">Emacs Indirect Buffer section</a> , "an indirect buffer shares the text of some other buffer, called the base buffer of the indirect buffer. In some ways it is a buffer analogue of a symbolic link between files."  • The section also states: "One way to utilize indirect buffers is to display multiple views of an outline" (such as Org-Mode files).  • The following commands are available to manage indirect buffers.		
Create indirect buffer explicitly	<f11> b I m</f11>	(make-indirect-buffer BASE-BUFFER NAME &optional CLONE)	Create and return an indirect buffer for buffer BASE-BUFFER, named NAME.  BASE-BUFFER should be a live buffer, or the name of an existing buffer.  NAME should be a string which is not the name of an existing buffer.  Optional argument CLONE non-nil means preserve BASE-BUFFER's state, such as major and minor modes, in the indirect buffer.  CLONE nil means the indirect buffer's state is reset to default values.
Create indirect buffer of current buffer	<f11> b I c</f11>	(clone-indirect-buffer NEWNAME DISPLAY-FLAG & optional NORECORD)	Create an indirect buffer that is a twin copy of the current buffer.
	<ul> <li>Give the indirect buffer name NEWNAME. Interactively, read NEWNAME from the minibuffer when invoked with a prefix arg. If NEWNAME is nil or if not called with a prefix arg, NEWNAME defaults to the current buffer's name. The name is modified by adding a '<n>' suffix to it or by incrementing the N in an existing suffix. Trying to clone a buffer whose major mode symbol has a non-nil 'no-clone-indirect' property results in an error.</n></li> <li>DISPLAY-FLAG non-nil means show the new buffer with 'pop-to-buffer'. This is always done when called interactively.</li> <li>Optional third arg NORECORD non-nil means do not put this buffer at the front of the list of recently selected ones.</li> </ul>		
Create indirect buffer of current buffer in another window	• C-x 4 c • <f11> b I w</f11>	(clone-indirect-buffer-other-window NEWNAME DISPLAY-FLAG &optional NORECORD)	Like 'clone-indirect-buffer' but display in another window.
Edit Binary file with hexl	Emacs provides the built-in <a href="hext">hext</a> mode to edit files in hexadecimal mode.  • To use it you must:  • use the hext-find-file to open the file in binary mode, or  • use the hext-mode command to convert an already opened buffer. To exit this mode and go back to the original mode type C-c C-c		
Open a file in hexl-mode	<f11> f M-x</f11>	(hexl-find-file FILENAME)	Edit file FILENAME as a binary file in hex dump format.  • Switch to a buffer visiting file FILENAME, creating one if none exists, and edit the file in
See also: <u><b>∑ File-mngt</b></u>			'hexl-mode'.
Toggle hexl mode	<f11> b M-x</f11>	(hexl-mode &optional ARG)	Toggle the hexl mode: a mode for editing binary files in hex dump format.
	<ul> <li>This is not an ordinary major mode; it alters some aspects of the current mode's behavior, but not all; also, you can exit Hexl mode and return to the previous mode using 'hexl-mode-exit'.</li> <li>This function automatically converts a buffer into the hexl format using the function 'hexlify-buffer'.</li> <li>Each line in the buffer has an "address" (displayed in hexadecimal) representing the offset into the file that the characters on this line are at and 16 characters from the file (displayed as hexadecimal values grouped every 'hexl-bits' bits, and as their ASCII values).</li> <li>If any of the characters (displayed as ASCII characters) are unprintable (control or meta characters) they will be replaced by periods.</li> </ul>		
Insert a byte in decimal	C-M-d	(hexl-insert-decimal-char ARG)	Insert a character given by its decimal code ARG times at point.
Insert a byte in octal	С-М-о	(hexl-insert-octal-char ARG)	Insert a character given by its octal code ARG times at point.
Insert a byte in hex	С-М-х	(hexl-insert-hex-char ARG)	Insert a character given by its hexadecimal code ARG times at point.
Goto 512-byte page	С-М-а	(hexl-beginning-of-512b-page)	Go to beginning of 512 byte boundary.
start Goto to 512-byte page	С-М-е	(hexl-end-of-512b-page)	Go to end of 512 byte boundary.
end Goto 1K end	C-x ]	(hexl-end-of-1k-page)	Go to end of 1KB boundary.
Goto 1K beginning	С-ж [	(hexl-beginning-of-1k-page)	Go to beginning of 1KB boundary.
Goto address entered in hexadecimal	М-д	(hexi-goto-hex-address HEX- ADDRESS)	Go to Hexl mode address (hex string) HEX-ADDRESS.  • Signal error if HEX-ADDRESS is out of range.
Goto to address entered in decimal	М-ј	(hexi-goto-address ADDRESS)	Go to hexl-mode (decimal) address ADDRESS.  • Signal error if ADDRESS is out of range.
Exit hexl mode	C-c C-c	(hexl-mode-exit &optional ARG)	Exit Hexl mode, returning to previous mode.  • With arg, don't unhexlify buffer.
Hexadecimal Editing with nhexl	The <a href="hext-mode">hext-mode</a> external package used to display and manipulate the content of the current buffer in hexadecimal and manipulate hex dump files.  PEL downloads installs and activates this package when the <a href="pel-use-nhext">pel-use-nhext</a> user option is set to <a href="total">t</a> .  Use the <a href="f11">f11</a> b <a href="f22">b</a> key sequence to open the PEL buffer customization buffer to access this user option.  Once the hexadecimal mode is on, turn it off by executing the nhexl-mode command again.  Good nhexl-mode features:  The nhexl-mode keeps the undo history when you toggle the nhexl mode. Something that the helx mode does not do.  You can use all of the normal navigation commands. You don't need to use specialized commands. PEL home and end commands work.		
Toggle buffer between normal and hex display	<f11> b x</f11>	(nhexi-mode &optional ARG)	Toggle minor mode to edit files via hex-dump format.  Requires the <a href="mailto:nhexl-mode">nhexl-mode</a> package <a href="mailto:nhexl-mode">nhexl-mode</a> activated when <a href="mailto:nhexl-mode">pel-use-nhexl</a> user option is <a href="mailto:nhexl-mode">nhexl-mode</a> package
Activate Hex nibble editing mode	<f11> b X</f11>	(nhexl-nibble-edit-mode &optional ARG)	Minor mode to edit the hex nibbles in 'nhexl-mode'.  Note: only works after nhexl-mode has been activated once.  Requires the <a href="mailto:nhexl-mode">nhexl-mode</a> package activated when <a href="mailto:pel-use-nhexl">pel-use-nhexl</a> user option is t.
Buffer View Mode	Several commands (view-buffer, etc, see at top of this table) activate the View Mode for a buffer where the buffer is essentially read-only and special commands are available.		
View buffer - no modification allowed	<f11> b v</f11>	(view-buffer BUFFER &optional EXIT-ACTION)	View BUFFER in View mode, returning to previous buffer when done.  • Emacs commands editing the buffer contents are not available; instead, a special set of commands (mostly letters and punctuation) are defined for moving around in the buffer.  • Space scrolls forward, Delete scrolls backward.  • For a list of all View commands, type H or h while viewing. See the View Mode command list below.
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<u>Operation</u>	<u>Keystroke</u>	Function	<u>Note</u>	
View Mode commands	н, h, ?	Show this message.		
	Digits	provide prefix arguments.		
	-	negative prefix argument.		
	>	move to the beginning of buffer. move to the end of buffer.		
	0	scroll so that buffer end is at last line of window.		
	SPC	scroll forward "page size" lines. With prefix sc		
	DEL, S-SPC	scroll backward "page size" lines. With prefix so like SPC but with prefix sets "page size" to pre		
	w	like DEL but with prefix sets "page size" to pre		
	đ		sets "half page size" to prefix lines and scrolls forward that much.	
	u Bem ten	· -	fix, sets "half page size" to prefix lines and scrolls backward that much.	
	RET, LFD	scroll forward one line. With prefix scroll forward scroll backward one line. With prefix scroll back		
	F	revert-buffer if necessary and scroll forward. Us		
	ু ১	prints the current line number. goes prefix argument (default 100) percent into l	puffer	
	g	goes to line given by prefix argument (default first		
	•	set the mark.		
	x   @	exchanges point and mark.  return to mark and pops mark ring. Mark ring is	pushed at start of every successful search and when jump to line occurs.	
		The mark is set on jump to buffer start or er		
	m,	save current position in character register.		
	s	go to position saved in character register. do forward incremental search.		
	r	do reverse incremental search.		
	/		g after current page. ! and @ have a special meaning at the beginning of the regexp:	
		! means search for a line with no match for n @ means start search at beginning (end for b		
	\	searches backward for regular expression, start		
	n	searches forward for last regular expression.		
	р	searches backward for last regular expression.		
	q		er to previous state. q is the normal way to leave view mode.	
	е	exit View mode but stay in current buffer. Use the This command restores the previous read-or	nis if you started viewing a buffer (file) and find out you want to edit it.	
	E	·	table even if it was not editable before entry to View mode.	
	Q	quit View mode, restoring all windows to previou		
	c C	quit View mode and maybe switch buffers, but of quit View mode, kill current buffer and go back t		
		quit from mode, tim ourroint burior and go buoit.	5 St. 10. 25. 10. 1	
	_	and C depends on how view-mode was entered.	other frame or M v direct view file (M v view file M v view file other window M v	
		rame, or the Dired mode v command), then ${f q}$ will	-other-frame, or M-x dired-view-file (M-x view-file, M-x view-file-other-window, M-x try to kill the current buffer.	
	If view-mode wa	as entered from another buffer, by $<\mathbf{f11}>\mathbf{b}\mathbf{v}$ ,	M-x view-buffer-other-window, M-x view-buffer-other frame, M-x view-file, M-x view-file-	
	other-window, o	or M-x view-file-other-frame, then <b>c</b> , <b>q</b> and <b>C</b> will	return to that buffer.	
Buffer Menu Mode		is shown inside its own buffer, *Buffer List* when bey bindings is available via the <f1> m key.</f1>	(list-buffer) is executed. This buffer support the following commands.	
	<u> </u>		the list of commands and key bindings that are available differ. They are listed in the next	
	section.	, , , , , , , , , , , , , , , , , , , ,	-,	
Buffer Menu Mode keys	• ? : Get	help	: Immediately	
		late buffer list	: immediately	
		t buffer in list t buffer in list	: immediately : immediately	
		t buffer in list	: immediately	
		vious buffer in list vious buffer in list	: immediately : immediately	
	• <b>c</b> - <b>d</b> : mar	k buffer for deletion	: deleted when pressing <b>x</b>	
		k buffer for deletion k buffer for deletion	: deleted when pressing <b>x</b> : deleted when pressing <b>x</b>	
	• s : save	e buffer	: saved when pressing <b>x</b>	
		ve to previous line, remove all marks on buffer nove a specific mark from all buffers	: immediately if just after marking : immediately if just after marking	
	• <b>u</b> : unm	nark all marks on buffer	: immediately	
		cute marked commands (delete buffers marked fi k buffer as un-modifiable	or deletion) : immediately : immediately	
		к buffer as un-modifiable gle read-only	: immediately : immediately	
	• 1 : disp	olay emacs in full emacs screen	: immediately	
		play this buffer & next in horizontal window ace other (next) window with this buffer	: immediately : immediately	
	• m : mar	k buffer to be displayed in windows	: when pressing v	
		play buffers marked with in as many windows as it buffer list	required : immediately : immediately	
iDuffer Married Marrid Married Married Married Married Married Married Married Married				
iBuffer Menu Mode		railable in the ibuffer window. <b>C-b</b> key binding open the buffer window.		
IBuffer Mode commands		: Save the marked buffers.		
mode commands		<ul><li>Save the marked buffers.</li><li>View the marked buffers in the selected frame.</li></ul>		
		: View the marked buffers in another frame.		
		Revert the marked buffers.     Toggle read-only state of marked buffers.		
		<ul> <li>Toggle lock state of marked buffers.</li> </ul>		
	D :	: Kill the marked buffers.		
		<ul><li>Do incremental search in the marked buffers.</li><li>Isearch for regexp in the marked buffers.</li></ul>		
		<ul> <li>Replace by regexp in each of the marked buffer</li> </ul>	rs.	
	Q :	: Query replace in each of the marked buffers.		
		As above, with a regular expression.     Print the marked buffers.		
		<ul> <li>Print the marked buffers.</li> <li>List lines in all marked buffers which match a g</li> </ul>	iven regexp (like the function 'occur').	
	x	: Pipe the contents of the marked buffers to a sh	nell command.	
		Replace the contents of the marked buffers with	·	
	! : Run a shell command with the buffer's file as an argument.  E : Evaluate a form in each of the marked buffers. This is a very flexible command.			
		For example, if you want to make all of the m	arked buffers read-only, try using (read-only-mode 1) as the input form.	
		: As above, but view each buffer while the form		
		<ul> <li>Remove the marked lines from the *Ibuffer* but</li> <li>Kill all buffers marked for deletion.</li> </ul>	ier, dul don't kiii the associated duffer.	

<u>Operation</u>	<u>Keystroke</u>	Function	<u>Note</u>			
IBuffer Mode Marking commands	m : Mark the buffer at point. t : Unmark all currently marked buffers, and mark all unmarked buffers.  * c : Change the mark used on marked buffers. u : Unmark the buffer at point.  DEL : Unmark the previous buffer.  M-DEL : Unmark buffers marked with MARK. U : Unmark all marked buffers.  * M : Mark buffers by major mode.  * u : Mark all "unsaved" buffers. This means that the buffer is modified, and has an associated file.  * m : Mark all "unsaved" buffers, regardless of whether they have an associated file.  * s : Mark all buffers whose name begins and ends with "".  * e : Mark all buffers whose name begins and ends with "".  * e : Mark all buffers which have an associated file, but that file doesn't currently exist.  * r : Mark all read-only buffers.  * / Mark buffers in 'dired-mode'.  * h : Mark buffers in 'help-mode', 'apropos-mode', etc.  • Mark buffers older than 'lbuffer-old-time'.  d : Mark buffers by their name, using a regexp.  \$ m : Mark buffers by their major mode, using a regexp.  \$ f : Mark buffers by their filename, using a regexp.  \$ f : Mark buffers by their filename, using a regexp.  \$ L : Mark all locked buffers.					
IBuffer Mode Filtering commands		(ibuffer-filter-chosen-by-completion) (ibuffer-filter-by-directory QUALIFIER)	Select and apply filter chosen by completion against available filters.  Indicates corresponding key sequences in echo area after filtering.  The completion matches against the filter description text of ach filter in 'ibuffer-filtering-alist'.  Limit current view to buffers with directory matching QUALIFIER.			
		(IDUMET-THEET-DY-directory QUALIFIEH)	<ul> <li>For a buffer associated with file '/a/b/c.d', this matches against '/a/b'. For a buffer not associated with a file, this matches against the value of 'default-directory' in that buffer.</li> </ul>			
Theter Made	/ m : Add a filter b / M : Add a filter b / n : Add a filter b / c : Add a filter b / b : Add a filter b / f : Add a filter b / i : Add a filter b / i : Add a filter b / i : Add a filter b / e : Add a filter b / e : Add a filter b / v : Reverthe cur / r : Switch to pre / a : Add saved fil / a : Replace the / l : Replace the / r : Remove the / l : Remove all t	<ul> <li>/ M : Add a filter by derived mode.</li> <li>/ n : Add a filter by buffer name.</li> <li>/ c : Add a filter by buffer content.</li> <li>/ b : Add a filter by basename.</li> <li>/ f : Add a filter by filename.</li> <li>/ i : Add a filter by file extension.</li> <li>/ i : Add a filter by modified buffers.</li> <li>/ e : Add a filter by modified buffers.</li> <li>/ e : Add a filter by buffer size.</li> <li>/ c : Add a filter by buffer size.</li> <li>/ c : Add a filter by special buffers.</li> <li>/ v : Add a filter by special buffers.</li> <li>/ v : Add a filter by buffer size.</li> <li>/ v : Add a filter by buffers visiting files.</li> <li>/ s : Save the current filters with a name.</li> <li>/ r : Switch to previously saved filters.</li> <li>/ a : Add saved filters to current filters.</li> <li>/ a : Replace the top two filters with their logical AND.</li> <li>/ j : Replace the top two filters with their logical OR.</li> <li>/ p : Remove the top filter.</li> <li>/ d : Break down the topmost filter.</li> </ul>				
IBuffer Mode Filter commands	/ g : Create filter group from filters. / P : Remove top filter group.  TAB : Move to the next filter group.  M-p : Move to the previous filter group. / \ : Remove all active filter groups / S : Save the current groups with a name. / R : Restore previously saved groups. / X : Delete previously saved groups.					
IBuffer Mode Sorting commands	<ul> <li>r Rotate between the various sorting modes.</li> <li>s i : Reverse the current sorting order.</li> <li>s a : Sort the buffers lexicographically.</li> <li>s f : Sort the buffers by the file name.</li> <li>s v : Sort the buffers by last viewing time.</li> <li>s s : Sort the buffers by size.</li> <li>s m : Sort the buffers by major mode.</li> </ul>					
IBuffer Mode Other commands	g : Regenerate the list of all buffers. Prefix arg means to toggle whether buffers that match 'ibuffer-maybe-show-predicates' should be displayed.  : Change the current display format.  SPC : Move point to the next line.  C-p : Move point to the previous line.  h : Show this help.  = : View the differences between this buffer and its associated file.  RET : View the buffer on this line.  o : As above, but in another window.  C-o : As both above, but don't select the new window.  b : Bury (not kill!) the buffer on this line.					