

# Changes By Month

Date	Change	Description
<b>Month: 2006/5</b>		
2006/5/30	53	Add sampling and combination me
2006/5/30	52	Rename/Move: //depot/alignDB/Wo
2006/5/23	51	Add worksheet d_d_ref
2006/5/20	50	Major revision. Too many chang
2006/5/19	49	clustal_align change back to de
2006/5/18	48	Add method column_ttest to perf
2006/5/18	47	Can run before doing update_fea
2006/5/18	46	Add option reduce_end
2006/5/16	45	Monomer should at least be 5 re
2006/5/16	44	Add snp related analysis tables
2006/5/16	43	Add method draw_LM (but still n
2006/5/16	42	Correct method check_column
2006/5/15	41	Correct mistake in ssw
2006/5/15	40	Add method for ssw.
2006/5/15	39	Add table ssw
2006/5/15	38	Add comments
2006/5/14	37	Database schema changed.
2006/5/13	36	Add gap parameters to sub "clus
2006/5/13	35	misc default option changes
2006/5/12	34	Add sheet "ds_dns"
2006/5/11	33	In method "_gc_wave", change ca
2006/5/11	32	Add sheet "indel_occured"
2006/5/11	31	Add method "check_column" for c
2006/5/10	30	Delete a .bak file
2006/5/10	29	Find indel occurred in different
2006/5/10	28	Add [occured] section for updat
2006/5/10	27	Add "ALTER TABLE isw_extra AUTO
2006/5/10	26	Change temp table type from Inn
2006/5/10	25	10_000_000 can't be recognized
2006/5/10	24	Add two sheets: indel_slip_di_g
2006/5/8	23	Add ensembl_db property in grap
2006/5/8	22	Misc changes (comments, pods...
2006/5/8	21	Write multi-fasta alignment fil
2006/5/8	20	add some ignore segment conditi
2006/5/8	19	correct typo in the last revisi
2006/5/8	18	add seq-length check
2006/5/8	17	Use at_align method to replace
2006/5/8	16	Add an at_align sub
2006/5/8	15	version change
2006/5/7	14	use warn instead of die in peus
2006/5/7	13	add mkdir
2006/5/7	12	blah
2006/5/6	11	correct typo
2006/5/6	10	Move clustal_align func from re
2006/5/6	9	Add raw_fasta and trimmed fasta
2006/5/6	8	add raw_fasta and trimmed_fasta
2006/5/6	7	forgot use File::Find
2006/5/6	6	test
2006/5/6	5	test
2006/5/6	4	test
2006/5/6	3	test
2006/5/6	2	change to version 0.6
2006/5/6	1	Init alignDB folder

# Changes By Month

Date	Change	Description
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**Total :** 53

**Month:** 2006/6

2006/6/28	76	Add option paralog->wordsize
2006/6/28	75	Add option wordsize
2006/6/28	74	Add percent identity
2006/6/28	73	Add option percent identity
2006/6/28	72	Misc change
2006/6/28	71	Add method set_move for totally
2006/6/28	70	Rewrite web_blast subroutine, a
2006/6/26	69	\$te_set bug fix
2006/6/26	68	Modify align_feature3 to TE
2006/6/26	67	Add feature and paralog section
2006/6/26	66	Add align features
2006/6/23	65	Misc change
2006/6/23	64	Alignments paralog coverage, al
2006/6/23	63	Add table align_extra
2006/6/21	62	Misc change
2006/6/21	61	Fix some bugs in at_target_chr
2006/6/21	60	Forget intersect te_set with sl
2006/6/21	59	Use faster chr_align transformi
2006/6/21	58	Fix the \$raw_ref_seq bug.
2006/6/20	57	Add te_set and non_te_set featu
2006/6/20	56	Misc change
2006/6/16	55	Fix config error
2006/6/11	54	Use window_feature3 to store no

**Total :** 23

**Month:** 2006/7

2006/7/31	140	Add SQL sentences for regressio
2006/7/31	139	Misc change to alignDB_graph
2006/7/31	138	Old indel polymorphic feature.
2006/7/29	137	Add comments
2006/7/29	136	return_limit was replaced by al
2006/7/29	135	Misc change
2006/7/29	134	Misc change
2006/7/29	133	Misc change
2006/7/29	132	Misc change
2006/7/29	131	Add return_limit option
2006/7/29	130	Add return_limit (-b) option to
2006/7/29	129	Misc change
2006/7/29	128	Add snp coding query
2006/7/29	127	Misc change
2006/7/27	126	Use Time::Duration to estimate
2006/7/27	125	Use 'LOAD DATA LOCAL INFILE' to
2006/7/27	124	Add a exec_cmd subroutine to st
2006/7/27	123	Make about_dialog and load_dial
2006/7/27	122	Misc change to GUI
2006/7/27	121	Add load_target and load query
2006/7/26	120	Misc change to GUI
2006/7/26	119	Use icon buttons to replace "au
2006/7/24	118	Change frames' position
2006/7/24	117	Fix insert_xxx bug
2006/7/24	116	Make method delete_chr to be a

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Date	Change	Description
2006/7/24	115	Misc change to GUI
2006/7/24	114	New init script: delete_chr.pl
2006/7/24	113	Misc change to GUI
2006/7/24	112	Misc change to GUI
2006/7/24	111	Add generate options to GUI and
2006/7/24	110	Misc change to GUI
2006/7/24	109	Misc change to GUI
2006/7/24	108	Misc change to GUI
2006/7/24	107	Misc change to GUI
2006/7/24	106	Misc change to GUI
2006/7/24	105	Misc change to GUI
2006/7/24	104	Change font sizes
2006/7/24	103	Change GUI font face
2006/7/24	102	Add "about" dialog and alignDBG
2006/7/23	101	Misc change of GUI
2006/7/23	100	Misc change to GUI
2006/7/23	99	Modify GUI.
2006/7/23	98	Change variable name \$legnth_th
2006/7/21	97	Change folder "write_excel" to
2006/7/21	96	Rename/Move: //depot/alignDB/wr
2006/7/21	95	Use temp table to replece UNION
2006/7/19	94	Add sheets: "distance_non_slip"
2006/7/6	93	Misc change
2006/7/5	92	Misc change
2006/7/5	91	Change "align_feature4 between
2006/7/5	90	Add option chr_id_runlist to av
2006/7/5	89	Make MajorTickMark = xITickMark
2006/7/5	88	Count non-slippage-like indels
2006/7/5	87	Misc change
2006/7/5	86	Misc change
2006/7/4	85	Add writing .axt file
2006/7/4	84	Move map_chars to eval block
2006/7/4	83	Add blast error handle
2006/7/4	82	Add function align_xxx_x
2006/7/4	81	Add function indel_occured_type
2006/7/4	80	Add some Docs
2006/7/4	79	Add method quartile to split re
2006/7/4	78	Change some Docs
2006/7/4	77	Add write_full_paralog

**Total :** 64

**Month:** 2006/8

2006/8/26	163	Add indel_content.pl
2006/8/26	162	Add assembly column
2006/8/26	161	Add write_row_direct method
2006/8/26	160	Add k-nucleotide functions
2006/8/19	159	Add coding and repeat table che
2006/8/18	158	Misc change
2006/8/18	157	Add write_chr_axt options
2006/8/18	156	Write .axt file of specific chr
2006/8/17	155	Use if (\$x) to replace if (defi
2006/8/17	154	Delete sort process
2006/8/17	153	Sort by chr_id
2006/8/17	152	Sort by chromosome names
2006/8/13	151	Use temp_set to faster union sp

# Changes By Month

Date	Change	Description
2006/8/13	150	Use in-memory file bound to a s
2006/8/11	149	Modify subroutine exec_cmd to m
2006/8/11	148	Change names
2006/8/11	147	Add midnmap file of PNG format
2006/8/11	146	Rename alignDB.mm to a more exp
2006/8/9	145	Add query of non-slippage-like
2006/8/6	144	Misc change to FreeMind Map
2006/8/6	143	Move *.cmd.txt files to resourc
2006/8/6	141	Add a main level directory "res
<b>Total :</b>		<b><u>22</u></b>
<b>Month:</b>		<b><u>2006/9</u></b>
2006/9/28	233	Add sheets: target_dtr_dqr & qu
2006/9/28	232	Name .xls file *.qc.xls
2006/9/28	231	Add more column-check
2006/9/28	230	Add sheet: distance_dtr_dqr
2006/9/28	229	Misc change
2006/9/28	228	Add Dtr & Dqr
2006/9/28	227	Add Dtr & Dqr; Rename
2006/9/24	226	Misc change
2006/9/24	225	Add graph->width option
2006/9/24	224	Add width option
2006/9/24	223	Change \$expand_inde1
2006/9/24	222	Misc change
2006/9/24	221	Misc change
2006/9/24	220	Improve PODs
2006/9/24	219	Improve PODs
2006/9/24	218	Improve PODs
2006/9/24	217	Improve PODs
2006/9/24	216	Add duration time
2006/9/24	215	Misc change
2006/9/24	214	Misc change
2006/9/24	213	Misc change
2006/9/24	212	Misc change
2006/9/24	211	Misc change
2006/9/24	210	Misc change
2006/9/24	209	Fix bugs
2006/9/24	208	Fix bugs
2006/9/23	207	Add parallel entry to GUI
2006/9/23	206	Misc change
2006/9/22	205	Misc change
2006/9/20	204	Rename alignDB.conf to alignDB.
2006/9/20	203	Rename alignDB.conf to alignDB.
2006/9/20	202	rename alignDB.conf to alignDB.
2006/9/17	201	Fix bugs
2006/9/17	200	Make realign.pl parallel
2006/9/17	199	Change default rules of naming
2006/9/17	198	Misc change
2006/9/17	197	Misc change
2006/9/17	196	Count whole program runtime
2006/9/17	195	Misc change to mindmap
2006/9/17	194	Add a join_inde1 parameter to r
2006/9/17	193	Change STDIO messages
2006/9/17	192	Change some PODs
2006/9/17	191	Change output file locations

# Changes By Month

Date	Change	Description
2006/9/17	190	Add a expand_indel parameter to
2006/9/16	189	Add Y=15000 to set02
2006/9/16	188	Make gene_alignDB.pl parallel
2006/9/13	187	Server IP changed
2006/9/12	186	Misc change
2006/9/11	185	Use real path
2006/9/11	184	Make 10 sets of parameters
2006/9/11	183	Sync to current programs
2006/9/10	182	Rename pt2.matrix
2006/9/10	181	Rename fly.matrix
2006/9/9	180	Misc change
2006/9/9	179	Clean codes of run_blastz.pl
2006/9/9	178	Misc change
2006/9/8	177	A simple script to batch run bl
2006/9/8	176	Add a blastz matrix file which
2006/9/8	175	Misc change
2006/9/8	174	Misc change
2006/9/8	173	mkdir \$lav_dir
2006/9/8	172	blastz matrix files
2006/9/8	171	New script: run_blastz.pl
2006/9/7	170	Misc change
2006/9/7	169	Dir and Dnr, CpG
2006/9/7	168	Refactor realign.pl and ref_out
2006/9/6	167	Add muscle and mafft to realign
2006/9/6	166	Add t_coffee to realign.pl
2006/9/6	165	Add a new directory: align
2006/9/1	164	Add tables: gene and exon
<b>Total :</b>		<b><u>70</u></b>
<b>Month:</b>		<b><u>2006/10</u></b>
2006/10/31	276	Add sheets: summary_gene, gene_
2006/10/31	275	Use comparable_set instead of t
2006/10/31	274	Modify window_feature3
2006/10/31	273	Misc change
2006/10/31	272	Misc change
2006/10/31	271	Add a script: apply_sql.pl
2006/10/31	270	Misc change
2006/10/30	269	Update to PowerDesigner 12
2006/10/30	268	convert crebas.sql to init.sql
2006/10/27	267	Modify \$genesw_inside_max_diata
2006/10/27	266	Misc change
2006/10/27	265	Finish genesw
2006/10/26	264	Fix bugs in window processing o
2006/10/26	263	Modify tables: gene, exonsw.
2006/10/26	262	Modify table: gene
2006/10/26	261	Modify gene_feature4
2006/10/26	260	Add function: feature2runlist
2006/10/25	259	Misc change
2006/10/25	258	Change tables: exon and exonsw
2006/10/25	257	Modify tables: exon and exonsw
2006/10/25	256	Add method: _interval_windows
2006/10/25	255	Add functions: link_spans and i
2006/10/25	254	Add functions: ceil_nearest and
2006/10/15	253	Finish
2006/10/15	252	Misc change

# Changes By Month

Date	Change	Description
2006/10/15	251	Misc change
2006/10/14	250	Finish insert genesw
2006/10/14	249	Misc change
2006/10/14	248	Misc change
2006/10/14	247	Add section: gene
2006/10/13	246	Rename
2006/10/13	245	Misc change
2006/10/11	244	Add update_gene.pl
2006/10/11	242	Add segment feature4
2006/10/11	241	Misc change
2006/10/11	240	Misc change
2006/10/11	239	Misc change
2006/10/11	238	Rename column gene_feature1 to
2006/10/11	237	Add features of window and gene
2006/10/11	236	Clean sheet summary
2006/10/11	235	Misc change
2006/10/10	234	Add descriptions of extra featu
<b>Total :</b>		<b><u>42</u></b>
<b>Month:</b>		<b><u>2006/11</u></b>
2006/11/29	375	Misc change
2006/11/28	374	Misc change
2006/11/28	373	Misc change
2006/11/28	372	Misc change
2006/11/28	371	Misc change
2006/11/28	370	Misc change
2006/11/28	369	Add Dtotal
2006/11/28	368	Add isw_feature8 to present Dto
2006/11/28	367	Add isw_feature8
2006/11/28	366	Misc change
2006/11/28	365	Add sheets: indel_onc_nonslip_d
2006/11/28	364	Misc change
2006/11/27	363	Add RM11vsXXX
2006/11/27	362	Fix parallel mode config bug
2006/11/27	361	Rename all chrs of RM11
2006/11/25	360	Add a option: specified
2006/11/25	359	Add sheets: indel_onc_slip and
2006/11/25	358	Misc change
2006/11/25	357	Add new document for three-way
2006/11/25	356	Rename dir resource to doc
2006/11/25	355	Misc change
2006/11/25	354	Improve PODs
2006/11/25	353	Add workflow chart of four yeas
2006/11/24	352	Misc change
2006/11/24	351	Misc change
2006/11/24	350	Misc change
2006/11/21	349	Rename overall.cmd.txt to prepa
2006/11/21	348	Gene related cmds
2006/11/21	347	Add more cmds
2006/11/21	346	Change outline formats
2006/11/21	345	Change [feature]->paparallel to
2006/11/20	344	Change [stat]->sum_threshold ba
2006/11/20	343	Misc change
2006/11/20	342	Change SQL format
2006/11/20	341	Misc change

# Changes By Month

Date	Change	Description
2006/11/20	340	Misc change
2006/11/17	339	Misc change
2006/11/17	338	Misc change
2006/11/16	337	Fix --continue bug
2006/11/16	336	Update PODs
2006/11/16	335	Misc change
2006/11/16	334	Make update_feature.pl parallel
2006/11/15	333	Misc change
2006/11/15	332	Misc change
2006/11/15	331	Misc change
2006/11/14	330	Misc change
2006/11/14	329	Make gene-related parts of gc_s
2006/11/14	328	Misc change
2006/11/13	327	Modify output file's name
2006/11/13	326	Add sheets: exon_D_xxx
2006/11/12	325	Misc change
2006/11/12	324	Use target_set instead of compa
2006/11/12	323	Add a method get_slice_set_inde
2006/11/12	322	Misc change
2006/11/12	321	Misc change
2006/11/12	320	Misc change
2006/11/12	319	Fix gene_trans_start and _end b
2006/11/12	318	Change prompts
2006/11/12	317	Misc change
2006/11/12	316	Make gene_stable_id and exon_st
2006/11/12	315	Add Essential_ORFs.txt
2006/11/12	314	Misc change
2006/11/11	313	Misc change
2006/11/11	312	Use pbp style
2006/11/11	311	Use pbp style
2006/11/11	310	Use pbp style
2006/11/11	309	Use pbp style
2006/11/11	308	Use pbp style
2006/11/9	307	Add all section to exon_gc and
2006/11/9	306	Layout changee
2006/11/9	305	Misc change
2006/11/9	304	lib and ini path change
2006/11/9	303	Misc change
2006/11/9	302	Misc change
2006/11/8	301	Misc change
2006/11/8	300	Misc change
2006/11/8	299	Add a new script: update_gene_f
2006/11/8	298	Add a fuction: set_transform_se
2006/11/8	297	Rename/Move: //depot/alignDB/in
2006/11/8	296	Misc change
2006/11/8	295	Move init/gene/* to gene/*
2006/11/7	294	Misc change
2006/11/7	293	Misc change
2006/11/7	292	Misc change
2006/11/7	291	Misc change
2006/11/7	290	Fix inside windows' distance an
2006/11/7	289	Misc change
2006/11/7	288	Modify exonsw
2006/11/7	287	Add check in method feature_por
2006/11/6	286	Modify sheet summary_gene.
2006/11/6	285	Add options: continue and start
2006/11/6	284	Misc change

# Changes By Month

Date	Change	Description
2006/11/6	283	Add several options. Clean code
2006/11/6	282	Add options in the grpah sectio
2006/11/6	281	Make it works with no ref align
2006/11/6	280	Use the get_names method instea
2006/11/6	279	Add a method: get_names to retu
2006/11/3	278	Add a script: update_gene_D.pl,
2006/11/3	277	Add a script: update_gene_yeast
<b>Total :</b>		<b><u>99</u></b>
<b>Month:</b>		<b><u>2006/12</u></b>
2006/12/19	414	Misc change
2006/12/19	413	Fix window_set transforming bug
2006/12/19	412	Use distinct exons only
2006/12/19	411	Fix bugs in exon_xxx sheets
2006/12/18	410	Add sheets: gene_all_pure and c
2006/12/18	409	Misc change
2006/12/17	408	Fix all bugs
2006/12/17	407	Misc change
2006/12/17	406	Misc change
2006/12/17	405	Misc change
2006/12/17	404	Misc change
2006/12/17	403	Finish codingsw
2006/12/17	402	Add methods: _outside_window an
2006/12/17	401	Fix bug in method empty_table
2006/12/17	400	Add row exon_tl_runlist to tabl
2006/12/17	399	Add gene_tl_xxx and exon_tl_xxx
2006/12/17	398	Add gene_tl_xxx rows to table g
2006/12/17	397	Add [gene]->insert_codingsw opt
2006/12/17	396	Remove alignDB.kpf
2006/12/17	395	Misc change
2006/12/15	394	Misc change
2006/12/14	393	Misc change
2006/12/13	392	Misc change
2006/12/13	391	Misc change
2006/12/13	390	Use the empty_table method of a
2006/12/13	389	Misc change
2006/12/13	388	Add a method: empty_table
2006/12/13	387	Add a table: codingsw
2006/12/11	386	Fix POD typo
2006/12/8	385	Add a new script: align_xls.pl
2006/12/7	384	Quick bug fix
2006/12/7	383	Use _interval_window_2 instead
2006/12/7	382	Add methods: _interval_window_2
2006/12/4	381	Misc change
2006/12/4	380	Misc change to fit current stat
2006/12/4	379	Misc change
2006/12/2	378	Change algorithm in finding cor
2006/12/2	377	Add a sheet: snp_occured
2006/12/2	376	Misc change
<b>Total :</b>		<b><u>39</u></b>
<b>Month:</b>		<b><u>2007/1</u></b>
2007/1/31	642	Misc change
2007/1/31	641	Misc change



# Changes By Month

Date	Change	Description
2007/1/31	640	Misc change
2007/1/31	639	Misc change
2007/1/30	638	Add an option 'discard_paralog'
2007/1/30	636	Misc change
2007/1/30	635	Misc change
2007/1/30	634	Misc change
2007/1/30	633	Misc change
2007/1/30	632	Misc change
2007/1/30	631	Misc change
2007/1/30	630	Enable four-way comparison
2007/1/30	629	Misc change
2007/1/30	628	Misc change
2007/1/30	627	Modify ref_outgroup.pl to gener
2007/1/30	626	Misc change
2007/1/30	625	Misc change
2007/1/30	624	Misc change
2007/1/30	623	Misc change
2007/1/29	622	Misc change
2007/1/29	621	Misc change
2007/1/29	620	Misc change
2007/1/29	619	Misc change
2007/1/28	618	Misc change
2007/1/28	617	Misc change
2007/1/28	616	Misc change
2007/1/28	615	Misc change
2007/1/28	614	Misc change
2007/1/28	613	Misc change
2007/1/28	612	Misc change
2007/1/28	611	Misc change
2007/1/28	610	Misc change
2007/1/28	609	Misc change
2007/1/28	608	Misc change
2007/1/28	607	Misc change
2007/1/28	606	Misc change
2007/1/28	605	A little speed up
2007/1/28	604	Add four query methods
2007/1/28	603	For four yeasts analysis
2007/1/27	602	Move indel ocured sheets out t
2007/1/27	601	Misc change
2007/1/27	600	Update snp features
2007/1/26	599	Misc change
2007/1/26	598	contains_all will return 0 inst
2007/1/26	597	Misc change
2007/1/26	596	Misc change
2007/1/26	595	Add aim_common and ref_common o
2007/1/26	594	Add two options to [ref] sectio
2007/1/24	593	Misc change
2007/1/24	592	Add write_indel_vicinity.pl
2007/1/24	591	Misc change
2007/1/24	590	Fix bugs in iindel_oc_distance
2007/1/22	589	Misc change
2007/1/22	588	Misc change
2007/1/22	587	Clean up
2007/1/22	586	Misc change
2007/1/22	585	Misc change
2007/1/22	584	Misc change
2007/1/22	583	Misc change

# Changes By Month

Date	Change	Description
2007/1/22	582	Misc change
2007/1/22	581	Misc change
2007/1/22	580	Misc change
2007/1/22	579	Rename update_gene_feature.pl t
2007/1/22	578	Misc change
2007/1/22	577	Remove dependence on Set::IntSp
2007/1/22	576	Misc change
2007/1/22	575	Misc change
2007/1/22	574	Clean up AlignDB and AlignDB::W
2007/1/22	573	Misc change
2007/1/22	572	Misc change
2007/1/22	571	Misc change
2007/1/21	570	Misc change
2007/1/21	569	Misc change
2007/1/21	568	Misc change
2007/1/21	567	Misc change
2007/1/21	566	Misc change
2007/1/21	565	Misc change
2007/1/21	564	Misc change
2007/1/21	563	Misc change
2007/1/21	562	Misc change
2007/1/21	561	Misc change
2007/1/21	560	Misc change
2007/1/21	559	Misc chage
2007/1/21	558	Misc change
2007/1/21	557	Misc change
2007/1/21	556	Misc change
2007/1/21	555	Misc change
2007/1/21	554	Set binary operator test
2007/1/21	553	Misc change
2007/1/21	552	Relationship test
2007/1/21	551	Misc change
2007/1/20	550	Some cleanup
2007/1/20	549	Add a method runlists() to repl
2007/1/20	548	Misc change
2007/1/20	547	Misc change
2007/1/20	546	Misc change
2007/1/20	545	Move positioning methods to Ali
2007/1/20	544	Move methods positioning_align
2007/1/20	543	Misc change
2007/1/20	542	Misc change
2007/1/20	541	Misc change
2007/1/20	540	Misc change
2007/1/20	539	Misc change
2007/1/20	538	Misc change
2007/1/20	537	Misc change
2007/1/20	536	Misc change
2007/1/20	535	Misc change
2007/1/20	534	Misc change
2007/1/20	533	Misc change
2007/1/20	532	Cleanups
2007/1/20	531	Move positioning-related method
2007/1/20	530	Misc change
2007/1/20	529	Some cleanups
2007/1/20	528	Add method empty() as an alias
2007/1/20	527	Make merge and substract accept
2007/1/20	526	Add a runlist test

# Changes By Month

Date	Change	Description
2007/1/20	525	Misc change
2007/1/20	524	Misc change
2007/1/20	523	Use AlignDB::Intspan and don't
2007/1/20	522	Cleaning up
2007/1/20	521	Misc change
2007/1/20	520	Add some indexing tests
2007/1/19	519	Use AlignDB::IntSpan to replace
2007/1/19	518	AlignDB::IntSpan tests
2007/1/19	517	Get rid of Set::IntSpan
2007/1/19	516	Follow AlignDB::GC
2007/1/19	515	Get rid of Set::IntSpan and Qua
2007/1/18	514	Misc change
2007/1/17	513	Misc change
2007/1/17	512	Misc change
2007/1/17	511	Misc change
2007/1/17	509	Add two subroutines: list_to_sp
2007/1/17	508	Remove some checks and remove d
2007/1/17	507	Misc change
2007/1/17	506	Store coding_, repeats_ and TE_
2007/1/17	505	Add a module "AlignDB::Position
2007/1/17	504	Misc change
2007/1/17	503	Misc change
2007/1/17	502	Add columns "align_feature4, 5,
2007/1/15	501	Misc change
2007/1/15	500	Misc change
2007/1/15	499	Misc change
2007/1/15	498	Make update_align_paralog.pl us
2007/1/15	497	Seperate paralog related subrou
2007/1/15	496	Seperate write_full_paralog.pl
2007/1/14	495	Misc change
2007/1/14	494	Misc change
2007/1/14	493	Misc change
2007/1/14	492	Misc change
2007/1/14	491	Misc change
2007/1/14	490	Misc change
2007/1/14	489	Update to the new lib structure
2007/1/14	488	Move some positioning method fr
2007/1/14	487	Misc change
2007/1/14	486	Misc change
2007/1/14	485	Misc change
2007/1/14	484	Misc change
2007/1/14	483	Misc change
2007/1/14	482	Misc change
2007/1/14	481	Misc change
2007/1/14	480	Misc change
2007/1/14	479	Misc change
2007/1/14	478	Misc change
2007/1/14	477	Rename Class_excel.pm to AlignD
2007/1/14	476	Rename Class_WriteExcel.pm to A
2007/1/14	475	Misc change
2007/1/14	474	Misc change
2007/1/11	473	Misc change
2007/1/11	472	Misc change
2007/1/10	471	Misc change
2007/1/10	470	Add method: create_column
2007/1/10	469	Misc change
2007/1/10	468	Misc change

# Changes By Month

Date	Change	Description
2007/1/10	467	Misc change
2007/1/10	466	Misc change
2007/1/10	465	Misc change
2007/1/10	464	Misc change
2007/1/10	463	Misc change
2007/1/10	462	Misc change
2007/1/10	461	Misc change
2007/1/10	460	Misc change
2007/1/10	459	Misc change
2007/1/10	458	Misc change
2007/1/10	457	Misc change
2007/1/10	456	Misc change
2007/1/10	455	Misc change
2007/1/10	454	Misc change
2007/1/10	453	Misc change
2007/1/10	452	Misc change
2007/1/10	451	Misc change
2007/1/10	450	Misc change
2007/1/10	449	Misc change
2007/1/10	448	Misc change
2007/1/10	447	Misc change
2007/1/10	446	Misc change
2007/1/10	445	Just rename and relocate Class_
2007/1/10	444	Misc change
2007/1/10	443	Misc change
2007/1/10	442	Misc change
2007/1/10	441	Misc change
2007/1/10	440	Misc change
2007/1/10	439	Misc change
2007/1/10	438	Misc change
2007/1/9	437	Misc change
2007/1/9	436	Shrink the original Class_align
2007/1/9	435	Misc change
2007/1/9	434	Add some options to gc section
2007/1/9	433	Seperate GC-related tables' gen
2007/1/9	432	Seperate GC-related tables' gen
2007/1/8	431	Add new section: gc
2007/1/8	430	Misc change
2007/1/8	429	Misc change
2007/1/8	428	Misc change
2007/1/8	427	Misc change
2007/1/8	426	Misc change
2007/1/8	425	Misc change
2007/1/8	424	Misc change
2007/1/8	423	Misc change
2007/1/8	422	Misc change
2007/1/8	421	AlignDB component, used for pro
2007/1/8	420	Relocate lib position
2007/1/7	419	Misc change
2007/1/7	418	Add sheets: indel_distance_inse
2007/1/4	417	Add a new option, \$goal
2007/1/4	416	A c++ implementation of Set::In
2007/1/1	415	change "return undef" to "retur
<b>Total :</b>	<b><u>226</u></b>	

# Changes By Month

Date	Change	Description
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**Month: 2007/2**

2007/2/23	681	A new GUI in wxperl
2007/2/9	680	AlignDB::get_names() now accept
2007/2/9	679	Misc change
2007/2/9	678	Misc change
2007/2/9	677	Fix larger_than and smaller_tha
2007/2/9	676	Misc change
2007/2/9	675	Misc change
2007/2/9	674	Misc change
2007/2/8	673	Misc change
2007/2/8	672	Misc change
2007/2/8	671	Misc change
2007/2/8	670	Misc change
2007/2/8	669	Fix query_strand bug
2007/2/8	668	Handle pairwise comparison of m
2007/2/8	667	Misc change
2007/2/8	666	Misc change
2007/2/8	665	Move IntSpan related test to a
2007/2/5	664	Modify pair_indel_sites()
2007/2/5	663	Add two methods: larger_than()
2007/2/5	662	Misc change
2007/2/5	661	Misc change
2007/2/3	660	Misc change
2007/2/3	659	Misc change
2007/2/3	658	Misc change
2007/2/3	657	Misc change
2007/2/2	656	Misc change
2007/2/2	655	Misc change
2007/2/2	654	Misc change
2007/2/2	653	Add two baker's yeast: DBVPG676
2007/2/2	652	Misc change
2007/2/2	651	Misc change
2007/2/2	650	Misc change
2007/2/1	649	Misc change
2007/2/1	648	Misc change
2007/2/1	647	Misc change
2007/2/1	646	Make ref_outgroup.pl handle six
2007/2/1	645	Misc change
2007/2/1	644	Add two backer's yeast strain:
2007/2/1	643	Misc change

**Total : 39**

**Month: 2007/3**

2007/3/31	704	Misc change in comments
2007/3/29	703	Misc change
2007/3/23	702	Misc change
2007/3/21	701	Add a script: genebank2ensembl.
2007/3/19	700	Record failed qi numbers
2007/3/18	699	Use raw perl thread to multithr
2007/3/14	698	Misc change
2007/3/4	697	Use stopwatch
2007/3/3	696	Misc change
2007/3/3	695	Misc change
2007/3/3	694	Misc change

# Changes By Month

Date	Change	Description
2007/3/3	693	Misc change
2007/3/3	692	Misc change
2007/3/3	691	Misc change
2007/3/3	690	Misc change
2007/3/3	689	Misc change
2007/3/3	688	Add a method: get_taxon_ids
2007/3/3	687	Misc change
2007/3/2	686	Misc change
2007/3/2	685	Misc change
2007/3/2	684	Misc change
2007/3/2	683	Misc change
2007/3/2	682	Add a script: build_ensembl.pl

**Total :** 23

**Month:** 2007/4

2007/4/29	726	Fix typo
2007/4/28	725	Misc change
2007/4/27	724	Remove dependence on Quantum::S
2007/4/27	723	Fix typo
2007/4/25	722	Add some coments
2007/4/25	721	Misc change
2007/4/21	720	Misc change
2007/4/12	719	Fix bugs in get_align_ids
2007/4/12	718	Add a script that generate a li
2007/4/11	717	Add a function: multi_snp_site
2007/4/11	716	malignDB schema
2007/4/11	715	Multiply alignment files
2007/4/8	714	Misc change
2007/4/4	713	calc_gc_ratio now can handle a
2007/4/4	712	Extand AlignDB.pm to AlignDB::M
2007/4/4	711	Output fasta files with better
2007/4/3	710	Use pbp style "open"
2007/4/2	709	Add --init_sql option to specif
2007/4/2	708	Misc change
2007/4/2	707	Misc change
2007/4/1	706	Add a function: ref_pair_D
2007/4/1	705	Remove --continue option

**Total :** 22

**Month:** 2007/5

2007/5/31	743	Bug fix
2007/5/31	742	Update isw_extra
2007/5/30	741	Misc change
2007/5/30	740	Optimize it
2007/5/30	739	Now at_align() can handle posit
2007/5/30	738	Add methods: is_start_codon, is
2007/5/30	737	Misc change
2007/5/30	736	Misc change
2007/5/30	735	Add a new script update_snp_dnd
2007/5/27	734	Add a fuction "revcom" to rever
2007/5/27	733	Misc change
2007/5/27	732	Add method "count" as alias of
2007/5/26	731	New module AlignDB::Codon
2007/5/25	730	Convert kpf to komodo 4 format

# Changes By Month

Date	Change	Description
2007/5/16	729	Modify align_fasta.pl to make i
2007/5/10	728	Misc change
2007/5/10	727	Add comments
<b>Total :</b>	<b><u>17</u></b>	
<b>Month:</b>	<b>2007/6</b>	
2007/6/13	751	Misc change
2007/6/10	750	Modify revcom()
2007/6/10	749	Add a script: reverse_axt.pl to
2007/6/10	748	Misc change
2007/6/10	747	Add an option to write_chr_axt.
2007/6/8	746	use get_align_ids() to replace
2007/6/8	745	Misc change
2007/6/3	744	Add a bunch of methods to Align
<b>Total :</b>	<b><u>8</u></b>	
<b>Month:</b>	<b>2007/7</b>	
2007/7/17	760	Add di_dn_ttest
2007/7/17	759	Add bind_value to write_content
2007/7/17	758	Misc change
2007/7/16	757	Modify valid ratio ranges
2007/7/16	756	isw_levels changed
2007/7/14	755	Misc change
2007/7/13	754	Misc change
2007/7/13	753	misc change
2007/7/13	752	estimate median and 95% confide
<b>Total :</b>	<b><u>9</u></b>	
<b>Month:</b>	<b>2007/8</b>	
2007/8/8	764	Add frequency_all
2007/8/8	763	Misc change
2007/8/8	762	add all indels
2007/8/3	761	Fix a small bug
<b>Total :</b>	<b><u>4</u></b>	
<b>Month:</b>	<b>2007/9</b>	
2007/9/25	782	Misc change
2007/9/25	781	Misc change
2007/9/25	780	If OS is not MSWin32, convert f
2007/9/25	779	baidu_mp3
2007/9/25	778	Misc change
2007/9/25	777	Change SQL
2007/9/25	776	Misc change
2007/9/25	775	Complete Multi.pm
2007/9/25	774	get_proxy
2007/9/11	773	Misc change
2007/9/11	772	Misc change
2007/9/8	771	Fix a csv related bug
2007/9/8	770	Add chloroplast-related species
2007/9/8	769	docs changed
2007/9/8	768	malignDB schema changed

# Changes By Month

Date	Change	Description
2007/9/7	767	Misc change
2007/9/5	766	Misc change
2007/9/5	765	Add a function "average"
<b>Total :</b>	<b><u>18</u></b>	
<b>Month:</b>	<b>2007/10</b>	
2007/10/23	798	I should make WriteExcel.pm to
2007/10/23	797	Misc change
2007/10/23	796	Add a isw_indel_id column to ta
2007/10/23	795	Move SQL statements from *stat_
2007/10/23	794	Add replace() method to AlignDB
2007/10/23	793	Move check_column() method from
2007/10/23	792	Remove SQLs that have been stor
2007/10/23	791	Misc change to remove warnings
2007/10/23	790	Wipe off nearly all raw SQL sta
2007/10/23	789	Tons of changes, use AlignDB::S
2007/10/20	788	Add a replace() method to repla
2007/10/20	787	Add 2 methods: write_content_co
2007/10/15	786	Rename/Move: //depot/alignDB/li
2007/10/14	785	Modify some seetings
2007/10/14	784	Fix some small bugs
2007/10/14	783	new modules:
<b>Total :</b>	<b><u>16</u></b>	
<b>Month:</b>	<b>2007/11</b>	
2007/11/30	855	Add GetOpt interface
2007/11/30	854	New generation of get_proxy.pl
2007/11/29	853	Summary stat of indel & snp
2007/11/28	852	Misc change
2007/11/28	851	Misc change
2007/11/28	850	Crying! Another bug
2007/11/28	849	Fix another bug
2007/11/28	848	Oops! Fix a small bug
2007/11/28	847	Bio::Tools::Run:: also define a
2007/11/28	846	Redefine File::Spec::Unix::_tmp
2007/11/28	845	Get a @ARGV copy before GetOpti
2007/11/27	844	Now record meta info
2007/11/27	843	Add two parameters: indel_expan
2007/11/27	842	Misc change
2007/11/27	841	Misc change
2007/11/26	840	Roll back
2007/11/26	838	Add some proxy utils
2007/11/26	837	Rename/Move: //depot/get_proxy/
2007/11/25	836	Misc change
2007/11/25	835	Correct Chimp2
2007/11/25	834	Misc change
2007/11/25	833	Misc change
2007/11/25	832	Misc change
2007/11/25	831	Add method inside_window2
2007/11/22	830	Remove clean-up-temp-directory
2007/11/22	829	Misc change
2007/11/22	828	Misc change
2007/11/22	827	Recombination hotspots related
2007/11/20	826	Now it's parallel



# Changes By Month

Date	Change	Description
2007/11/20	825	Add a script: query_tracedb.pl
2007/11/18	824	Misc change
2007/11/18	823	202.119.43.5 to 202.119.43.6
2007/11/18	822	Add two tables: rhs (recombinat
2007/11/16	821	Rename/Move: //depot/alignDB/in
2007/11/16	820	Rename/Move: //depot/alignDB/st
2007/11/16	819	Rename/Move: //depot/alignDB/in
2007/11/16	818	Rename/Move: //depot/alignDB/in
2007/11/16	817	Rename/Move: //depot/alignDB/ex
2007/11/15	816	Add \$mech->stack_depth( 0 ) to
2007/11/14	815	Misc change
2007/11/14	814	Misc change
2007/11/14	813	Misc change
2007/11/14	812	Change file_find_rules because
2007/11/10	811	Misc change
2007/11/10	810	Adopt to the new AlignDB::Write
2007/11/10	809	Use AlignDB::SQL.pm and AlignDB
2007/11/10	808	Adopt to the new AlignDB::Excel
2007/11/10	807	Moosify this module and add a a
2007/11/10	806	Moosify this module
2007/11/10	805	The same reason as other module
2007/11/10	804	Misc change
2007/11/10	803	The same as before
2007/11/10	802	Just delete 2 lines (use warnin
2007/11/10	801	Move some SQL statements from t
2007/11/10	800	Rename/Move: //depot/alignDB/st
2007/11/10	799	Supporting multiple styles, inc

**Total :** 56

**Month:** 2007/12

2007/12/31	1041	Now AlignDB::Util.pm will do th
2007/12/31	1040	Try using Sub::Override, glob o
2007/12/30	1039	Misc change
2007/12/30	1038	Follow @1037
2007/12/30	1037	Make insert_gc.pl parallely
2007/12/30	1036	Now update_feature.pl is really
2007/12/30	1035	Misc change
2007/12/30	1034	Adpoted to the new Ensembl.pm
2007/12/29	1033	Make AlignDB::Ensembl extends A
2007/12/29	1032	Add server and db attrs
2007/12/29	1031	Misc change
2007/12/29	1030	Misc change
2007/12/29	1029	Add Three Stat nb
2007/12/29	1028	Set hyperlink column with large
2007/12/29	1027	Misc change
2007/12/28	1026	Improve descriptions
2007/12/28	1025	Simple WWW post bot with Win32:
2007/12/28	1024	Add ipbbs and haozs
2007/12/28	1023	Write summary to a file
2007/12/28	1022	Misc change
2007/12/28	1021	Misc change
2007/12/28	1020	Remove cghost and add cz88
2007/12/28	1019	Misc change
2007/12/27	1018	Misc change
2007/12/27	1017	Seperate BBSBot.pm to a standal

# Changes By Month

Date	Change	Description
2007/12/27	1016	A bbs paste bot
2007/12/27	1015	Misc change
2007/12/27	1014	Follow @1012
2007/12/27	1013	Follow @1012
2007/12/27	1012	Restructure directory
2007/12/27	1011	Rename/Move: //depot/proxy_util
2007/12/27	1010	Add tests
2007/12/27	1009	Rename/Move: //depot/proxy_util
2007/12/27	1008	Some tidy up
2007/12/26	1007	Specify some textctrls' width o
2007/12/26	1006	Remove dependence on Crypt::Ran
2007/12/26	1005	Make three_chart_factory.pl fit
2007/12/26	1004	Add Gene Stat nb
2007/12/26	1003	Make gene_chart_factory.pl fitt
2007/12/26	1002	Misc change
2007/12/26	1001	Add first_db and second_db in r
2007/12/26	1000	Bring stat pane in front of thr
2007/12/26	999	Make Three-way seperate pane. u
2007/12/26	998	Misc change
2007/12/26	997	Fix small bug
2007/12/26	996	Add ref_outgroup.pl to GUI
2007/12/25	995	Change comment format to cut do
2007/12/25	994	Move some dependences from Fram
2007/12/25	993	Seperate "callback events" to a
2007/12/25	992	Seperate "read_config" to a new
2007/12/25	991	Seperate "run *.pl events" to a
2007/12/25	990	Seperate package MyFrame to a n
2007/12/25	989	Remove wxTheApp import
2007/12/25	988	Add brief in summary report.
2007/12/24	987	eval check
2007/12/24	986	Change summary to Chinese
2007/12/24	985	Add proxy resource: proxycn
2007/12/24	984	Don't store auto-generated yaml
2007/12/24	983	Misc change
2007/12/24	982	Misc change
2007/12/24	981	New resource file
2007/12/24	980	New project file
2007/12/24	979	Misc change
2007/12/24	978	Now can filter out IPs
2007/12/24	977	Just tidy up
2007/12/24	976	Add a method, filter, to filter
2007/12/24	975	Bump version as long as ProxyUt
2007/12/24	974	Fix regex bug in sooip
2007/12/24	973	Add new resource: sooip
2007/12/23	972	Add a method, copy, to AlignDB.
2007/12/23	971	Layout misc change
2007/12/23	970	Misc change
2007/12/23	969	Add "Stat" pane including commo
2007/12/23	968	Misc change
2007/12/23	967	Remove dependence of Clone
2007/12/23	966	Add *_chart_factory related opt
2007/12/23	965	Follow changelist 958
2007/12/23	964	Follow changelist 958
2007/12/23	963	Follow changelist 958
2007/12/23	962	Misc change
2007/12/23	961	Follow chnagelist 959
2007/12/23	960	Fix a bug cause by Clone. This

# Changes By Month

Date	Change	Description
2007/12/23	959	Rename/Move: //depot/alignDB/st
2007/12/23	958	Add an new attrib, _sql, into A
2007/12/23	957	Misc change
2007/12/23	956	Rename/Move: //depot/alignDB/st
2007/12/23	955	Rename/Move: //depot/alignDB/st
2007/12/22	953	Fix typo
2007/12/21	952	Reformat for output
2007/12/21	951	Use Text::CSV instead of use Te
2007/12/21	950	Add directory rhs to project
2007/12/21	949	Misc change
2007/12/21	948	Change speed test source from p
2007/12/21	947	alignDB dependence
2007/12/20	946	Update docs
2007/12/20	945	Update dirtree.txt to date
2007/12/20	944	Don't use a specific version of
2007/12/20	943	Add two old scripts
2007/12/20	942	And skip vim backup file
2007/12/20	941	Skip image files
2007/12/20	940	Skip fasta files
2007/12/20	939	Skip binary files
2007/12/20	938	Combine update_slippage, update
2007/12/19	937	Use "Arial" instead of "Bitstre
2007/12/19	936	Misc change
2007/12/19	935	Write all possible axts
2007/12/19	934	Update alignDB.mindmap to date
2007/12/19	933	Add notebook page: update_segme
2007/12/19	932	New sloccount results
2007/12/19	931	Directory structure changed
2007/12/19	930	Rename/Move: //depot/alignDB/in
2007/12/19	929	Rename/Move: //depot/alignDB/ut
2007/12/19	928	Rename/Move: //depot/alignDB/al
2007/12/19	927	Add wxLC_SINGLE_SEL flag to Lis
2007/12/19	926	Fix bugs in GetOptions and comm
2007/12/19	925	Fix pod
2007/12/19	924	Complete query_sql
2007/12/19	923	Use CollapsiblePane to make lay
2007/12/18	922	Rename/Move: //depot/alignDB/ut
2007/12/18	921	Misc change
2007/12/18	920	Rename/Move: //depot/alignDB/in
2007/12/18	919	Misc change
2007/12/18	918	Combine database and initiation
2007/12/18	917	Polish layout
2007/12/18	916	Change Font
2007/12/18	915	Misc change
2007/12/18	914	Misc change
2007/12/18	913	Add icon, menubar and aboutdial
2007/12/18	912	Polish filedialog and dirdialog
2007/12/18	911	Remove NJU from verify source
2007/12/18	910	Misc change
2007/12/18	909	Add a StaticText.
2007/12/18	908	Change statictext default flag
2007/12/18	907	Two new bitmaps: main and info
2007/12/18	906	Misc change
2007/12/17	905	Now clicking on column header c
2007/12/16	904	Refactor gui2.pl. Extract Bitma
2007/12/16	903	Use more compact style in Moose
2007/12/16	902	Misc change

# Changes By Month

Date	Change	Description
2007/12/16	901	Change "ensembl" default value
2007/12/16	900	Just a little reformat
2007/12/16	899	Rename/Move: //depot/proxy_util
2007/12/16	898	dnds and rhs stat- and chart-fa
2007/12/16	897	Add some tests
2007/12/16	896	New script, unmatched_query.pl,
2007/12/16	895	New scripts, write_axt_slice.pl
2007/12/16	894	Transform dirtree.txt to an Exc
2007/12/16	893	Make some small changes in ttes
2007/12/16	892	Misc change
2007/12/16	891	Make all scripts in init to ada
2007/12/16	890	Add a method, add_meta_stopwatc
2007/12/16	889	Make AlignDB::Stopwatch evolved
2007/12/16	888	Add tests for AlignDB::Util
2007/12/16	887	Misc change in comment
2007/12/16	886	Make update_feature.pl parallel
2007/12/16	885	Misc change
2007/12/16	884	Proxy resources update
2007/12/13	883	sloccount result
2007/12/8	882	Roll back
2007/12/8	881	rhs sql statements
2007/12/8	880	SQLite sql statement and databa
2007/12/8	879	Current proxy resource
2007/12/8	878	Make test_speed, verify_proxy,
2007/12/8	877	Recombination rate data
2007/12/8	876	Some small changes to rhs
2007/12/8	875	Misc change
2007/12/8	874	Use AlignDB.pm's get_chrs() met
2007/12/8	873	Add feature: gene_feature6 to r
2007/12/8	872	Add method: get_chrs()
2007/12/8	871	quantile and quantile_sql
2007/12/5	870	Misc change
2007/12/4	869	Misc change
2007/12/4	868	Misc change
2007/12/4	867	Misc change
2007/12/3	866	Misc change
2007/12/3	865	Misc change
2007/12/3	864	Misc change
2007/12/3	863	remove top {\$discard_distant}%
2007/12/3	862	Add DBIx::Class ORM
2007/12/2	861	Remove configs needed by get_pr
2007/12/2	860	Rename/Move: //depot/proxy_util
2007/12/2	859	Rename/Move: //depot/proxy_util
2007/12/2	858	Misc change
2007/12/2	857	So much changes, hard to say
2007/12/1	856	Misc change

**Total :** 185

**Month:** 2008/1

2008/1/21	1120	Add icon to choose_db dialog
2008/1/21	1119	Add icon to TaxonDialog
2008/1/21	1118	Add Process to toolbar
2008/1/21	1117	Use Win Vista icons
2008/1/20	1116	Add toolbar to GUI.
2008/1/20	1115	Improve PODs

# Changes By Month

Date	Change	Description
2008/1/19	1114	Misc change
2008/1/17	1113	First step in managing processe
2008/1/17	1112	Relayout the frame
2008/1/17	1111	Add event_choose_goal_db()
2008/1/17	1110	Misc change
2008/1/16	1109	Fix dai.li
2008/1/16	1108	Move sampling_with_replacement(
2008/1/15	1107	Try to add new icons
2008/1/15	1106	Add update_indel_occured.pl, up
2008/1/15	1105	Misc change
2008/1/15	1104	Misc change
2008/1/14	1103	Tidy up
2008/1/14	1102	Tidy up
2008/1/14	1101	Misc change
2008/1/14	1100	Add alibaba to blacklist
2008/1/14	1099	Tidy up
2008/1/14	1098	Rename column isw_cpq to isw_cp
2008/1/14	1097	align_indels, align_target_gc,\$
2008/1/13	1096	Update QQWry.Dat to 080110
2008/1/13	1095	Test proxies already in databas
2008/1/13	1094	NOT FINISHED. clean_db.pl
2008/1/13	1093	Add new ip ranges from google a
2008/1/13	1092	KaKs
2008/1/10	1091	Misc change
2008/1/10	1090	Update dependences
2008/1/10	1089	Misc change
2008/1/10	1088	Misc change
2008/1/10	1087	malignDB diagram
2008/1/10	1086	find_depends by Module::Depende
2008/1/8	1085	Big improvment in PODs
2008/1/8	1084	Misc change
2008/1/8	1083	Misc change
2008/1/8	1082	More improve in PODs
2008/1/8	1081	Improve PODs
2008/1/7	1080	Misc change
2008/1/7	1079	Misc change in comments
2008/1/7	1078	Misc change
2008/1/7	1077	refactor stat 8-10 to use Align
2008/1/7	1076	Misc change
2008/1/6	1075	Validate proxy and add google t
2008/1/5	1074	Modify pods
2008/1/5	1073	refactor stat 1-7 to use AlignD
2008/1/5	1072	Add pods
2008/1/5	1071	Misc change
2008/1/5	1070	Misc change
2008/1/5	1069	Add overload test
2008/1/5	1068	Remove dependence on Data::Type
2008/1/5	1067	Use homebrew _is_int instead of
2008/1/5	1066	Use code glob to make aliases
2008/1/5	1065	Now can ban blacklists
2008/1/3	1064	Add some comments
2008/1/3	1063	Komodo Toolbox
2008/1/3	1062	Complete indel slippage
2008/1/3	1061	Move multi_stat and _chart to S
2008/1/3	1060	Fix bug, isw.indel_id == => isw.
2008/1/3	1059	Misc change
2008/1/3	1058	Rename/Move: //depot/alignDB/mu

# Changes By Month

Date	Change	Description
2008/1/3	1057	Create a dir to store old multi
2008/1/3	1056	Rename/Move: //depot/alignDB/mu
2008/1/3	1055	"Modernize" multi_stat
2008/1/3	1054	Run in parallel and store meta
2008/1/3	1053	Be more consistence with AlignD
2008/1/3	1052	Remove useless () from all \$obj
2008/1/3	1051	Some cleanup
2008/1/3	1050	Remove useless dependence on DB
2008/1/2	1049	Schema update
2008/1/2	1048	change some column names in dat
2008/1/2	1047	With formatted SQL
2008/1/2	1046	Update data_model
2008/1/2	1045	Make some changes in SYNOPSIS
2008/1/1	1044	add --verbose option to print S
2008/1/1	1043	as_sql() now output formatted S
2008/1/1	1042	Misc change
<b>Total :</b>		<b><u>79</u></b>
<b>Month:</b>		<b>2008/2</b>
2008/2/29	1132	Add perlmonks as verify source
2008/2/29	1131	Add doc dir
2008/2/29	1130	Modify result layout
2008/2/29	1129	Misc change
2008/2/29	1128	Remove orzin because sproxy can
2008/2/28	1127	Update blacklist.txt
2008/2/28	1126	Add orzin as proxy resource
2008/2/27	1125	Misc change
2008/2/21	1124	Misc change
2008/2/5	1123	Some cleanups
2008/2/5	1122	Add mozilla.org as verify sourc
2008/2/5	1121	Remove core modules
<b>Total :</b>		<b><u>12</u></b>
<b>Month:</b>		<b>2008/3</b>
2008/3/25	1220	Misc change
2008/3/25	1219	Move aliases here as inline fun
2008/3/25	1218	Use boost tokenizer and lexical
2008/3/24	1217	proxydb update
2008/3/24	1216	AlignDB-DeltaG and AlignDB-IntS
2008/3/23	1215	Do not download wma files
2008/3/23	1214	Misc change
2008/3/22	1213	Misc change
2008/3/22	1212	Misc change
2008/3/22	1211	Update sloccount
2008/3/22	1210	Use GridBagSizer on update_inde
2008/3/22	1209	Add method add_boxsizer_h()
2008/3/22	1208	Refactor all direct call on Wx:
2008/3/22	1207	Add methods add_button() and ad
2008/3/22	1206	Add method add_gb_bitmap_button
2008/3/22	1205	Use GridBagSizer to organize co
2008/3/12	1204	Misc change
2008/3/12	1203	Misc change
2008/3/12	1202	Find exact match mir
2008/3/12	1201	Add all_mir_info.pl

# Changes By Month

Date	Change	Description
2008/3/12	1200	Misc change
2008/3/12	1199	Misc change
2008/3/12	1198	Misc change
2008/3/12	1197	Misc change
2008/3/12	1196	Misc change
2008/3/12	1195	Misc change
2008/3/12	1194	Try to speed up again
2008/3/11	1193	Misc change
2008/3/9	1192	Misc change
2008/3/9	1191	Use MySQL's set operation inste
2008/3/8	1190	Misc change
2008/3/8	1189	Misc change
2008/3/8	1188	Misc change
2008/3/8	1187	Misc change
2008/3/8	1186	Misc change
2008/3/8	1185	Remove dependence on Perl 5.10
2008/3/7	1184	Don't re-calc calced hybrids
2008/3/7	1183	Misc change
2008/3/7	1182	Misc change
2008/3/7	1181	Misc change
2008/3/7	1180	Misc change
2008/3/7	1179	Misc change
2008/3/7	1178	Add a new table uniqmir to redu
2008/3/7	1177	Add 210.51.22.0/24 to blacklist
2008/3/7	1176	Misc change
2008/3/6	1175	Misc change
2008/3/6	1174	Misc change
2008/3/6	1173	Misc change
2008/3/6	1172	Misc change
2008/3/6	1171	one gene may have multiple cDNA
2008/3/6	1170	Rename/Move: //depot/mir/hybrid
2008/3/6	1169	Improve schema by adding indice
2008/3/6	1168	Don't create temp fasta file. U
2008/3/6	1167	run w/o database
2008/3/5	1166	Misc change
2008/3/5	1165	Misc change
2008/3/5	1164	Misc change
2008/3/5	1163	Misc change
2008/3/5	1162	Each threads will use their own
2008/3/5	1161	Misc change
2008/3/5	1160	init_mirDB.pl
2008/3/5	1159	Configuration file
2008/3/5	1158	Use mysql instead of sqlite
2008/3/5	1157	Accept raw sequences instead of
2008/3/5	1156	Use BioPerl to readout file onl
2008/3/4	1155	Fix getopt bug
2008/3/4	1154	Misc change
2008/3/4	1153	Temp file now has identificatio
2008/3/4	1152	Misc change
2008/3/4	1151	Misc change
2008/3/4	1150	Check RNAhybrid results
2008/3/4	1149	Misc change
2008/3/4	1148	Misc change
2008/3/4	1147	Misc change
2008/3/4	1146	Misc change
2008/3/4	1145	Multi-threads calculating
2008/3/4	1144	Misc change

# Changes By Month

Date	Change	Description
2008/3/4	1143	first commit of real database v
2008/3/4	1142	Misc change
2008/3/3	1141	Add POD
2008/3/2	1140	Misc change
2008/3/2	1139	set speed threshold to 50k and
2008/3/1	1138	Rename/Move: //depot/mir/data/m
2008/3/1	1137	Rename/Move: //depot/mir/init_d
2008/3/1	1136	Misc change
2008/3/1	1135	Misc change
2008/3/1	1134	mirDB first submit
2008/3/1	1133	Misc change
<b>Total :</b>		<b>88</b>
<hr/>		
<b>Month:</b>	<b>2008/4</b>	
2008/4/27	1359	Move rest part of seq.c and seq
2008/4/27	1358	Move seq_open and seq_read to P
2008/4/27	1357	Not complete!!
2008/4/27	1356	Misc change
2008/4/27	1355	Remove "from" from SEQ
2008/4/27	1354	Simplify SEQ struct
2008/4/27	1353	Misc change
2008/4/27	1352	Misc change
2008/4/27	1351	Don't do revcom in C codes
2008/4/27	1350	Remove seq_revcomp_inplace
2008/4/27	1349	Move print_align_header to Perl
2008/4/27	1348	Update database
2008/4/25	1347	Use #define roundup to replace
2008/4/25	1346	Rewrite function roundup
2008/4/25	1345	Misc change
2008/4/25	1344	Misc change
2008/4/25	1343	Misc change
2008/4/25	1342	CPAN archive
2008/4/25	1341	Move print_job_header and print
2008/4/24	1340	add table "specialties"
2008/4/24	1339	Bump version to 0.2.0
2008/4/24	1338	Misc change
2008/4/24	1337	Replace dna.h and dna.c with Pe
2008/4/24	1336	Move left parts from dna.h to s
2008/4/24	1335	Remove dna.c
2008/4/24	1334	Remove fuction print_argv() and
2008/4/24	1333	Misc change
2008/4/24	1332	Misc change
2008/4/23	1331	Rename/Move: //depot/alignDB/do
2008/4/23	1330	Rename/Move: //depot/alignDB/do
2008/4/23	1329	Visualize C function relation b
2008/4/23	1328	Rename/Move: //depot/settings/B
2008/4/22	1327	change back '>>'
2008/4/22	1326	Add more tests.
2008/4/22	1325	Misc change
2008/4/22	1324	Many small change. Notably, add
2008/4/22	1323	Misc change
2008/4/22	1322	C90 croak
2008/4/22	1321	Brand new Bio::Alien::Blastz.
2008/4/22	1320	Misc change
2008/4/20	1319	change file path



# Changes By Month

Date	Change	Description
2008/4/20	1318	change species abbreviation and
2008/4/20	1317	change column
2008/4/20	1316	add folder miRbase11.0
2008/4/20	1315	Set env for Strawberry Perl
2008/4/20	1314	Accept exec path from command l
2008/4/19	1313	CPAN style AlignDB::Codon
2008/4/19	1312	Misc change
2008/4/19	1311	Rename/Move: //depot/cpan/Align
2008/4/19	1310	CPAN style AlignDB::SQL::Librar
2008/4/19	1309	CPAN style AlignDB::SQL
2008/4/19	1308	CPAN style AlignDB::DeltaG
2008/4/19	1307	Handel chinese name as utf8
2008/4/19	1306	Use Text::CSV_XS instead of raw
2008/4/19	1305	add mir_class.csv
2008/4/19	1304	add table 'species'
2008/4/19	1303	add load_data.pl in mir.kpf
2008/4/18	1302	Seperate load_data.pl from calc
2008/4/18	1301	Missing part of cpan
2008/4/18	1300	mirbase_id->id
2008/4/18	1299	CPAN version
2008/4/18	1298	Make AlignDB::IntSpan as standa
2008/4/18	1297	Misc change
2008/4/18	1296	More cleanup
2008/4/18	1295	Update project
2008/4/18	1294	use sourceforge to replace pnas
2008/4/18	1293	Some cleanup
2008/4/18	1292	Misc change
2008/4/18	1291	Revise a little
2008/4/18	1290	Add a module HairpinMir.pm to e
2008/4/16	1289	Misc change
2008/4/16	1288	Add a new table hairpin_mir wit
2008/4/15	1287	Add EverNote
2008/4/14	1286	Misc change
2008/4/14	1285	Check remote file size first.
2008/4/14	1284	Add overwrite option
2008/4/14	1283	add a hairpin_mir table
2008/4/14	1282	Remove ncbi from is_bought.txt
2008/4/14	1281	Add a Hairpin talbe
2008/4/12	1280	Misc change
2008/4/11	1279	Misc change
2008/4/11	1278	Misc change
2008/4/11	1277	Misc change
2008/4/10	1276	Update QQWry.Dat
2008/4/9	1275	Misc change
2008/4/9	1274	Misc change
2008/4/9	1273	Clean schema
2008/4/9	1272	Move test_url to [run] section
2008/4/9	1271	new LWP::UserAgent v. 5.810 cha
2008/4/9	1270	Misc change
2008/4/8	1269	Now can backup registry
2008/4/8	1268	make_backups.pl - Backup variou
2008/4/8	1267	Use Cava Packager to pack files
2008/4/8	1266	Rename/Move: //depot/extseq/lib
2008/4/7	1265	Don't work in other machine run
2008/4/7	1264	Update ip_range.txt to 20080401
2008/4/7	1263	Misc change
2008/4/6	1262	Rewrite Extrace Sequence with w

# Changes By Month

Date	Change	Description
2008/4/6	1261	Komodo schemes
2008/4/6	1260	Update toolbox
2008/4/6	1259	Rename/Move: //depot/exported_t
2008/4/6	1258	Fix mproxy.exe auto_restart bug
2008/4/6	1257	Misc change
2008/4/6	1256	Misc change
2008/4/5	1255	Remove 2 lines of useless codes
2008/4/5	1254	Misc change
2008/4/5	1253	Tidy up
2008/4/4	1252	Tree of all files
2008/4/4	1251	Add MultiProxy PROXY.DAT file a
2008/4/4	1250	Misc change
2008/4/4	1249	Rename/Move: //depot/proxy_util
2008/4/4	1248	Misc change
2008/4/4	1247	Fix a bug in pack_proxy
2008/4/4	1246	Misc change
2008/4/4	1245	NEW tool: build_pac.pl.
2008/4/3	1244	Add import_from_pt option
2008/4/3	1243	Misc change
2008/4/3	1242	Misc change
2008/4/3	1241	Misc change
2008/4/3	1240	change some output format
2008/4/3	1239	change output format
2008/4/3	1238	Misc change
2008/4/3	1237	Add an auto_restart option
2008/4/3	1236	Add new blacklist
2008/4/3	1235	Misc change
2008/4/3	1234	Misc change
2008/4/3	1233	Misc change
2008/4/3	1232	Continue polish tt2 outputs
2008/4/3	1231	Polish tt2 outputs
2008/4/3	1230	Add a "run" section
2008/4/3	1229	Modify comment
2008/4/2	1228	Add some POD
2008/4/2	1227	Misc change
2008/4/2	1226	Change external->export_to_mp t
2008/4/2	1225	Now can import from and export
2008/4/2	1224	Polish TT2 outputs
2008/4/2	1223	Use TT2 to generate summary out
2008/4/2	1222	Update database
2008/4/2	1221	Add 221.130.202.0/24 to blackli

**Total :** 139

**Month:** 2008/5

2008/5/27	1444	Misc change
2008/5/27	1443	Misc change
2008/5/27	1442	Misc change
2008/5/27	1441	Rename/Move: //depot/cpan/Bio-A
2008/5/27	1440	All files have been synced with
2008/5/27	1439	Misc change
2008/5/27	1438	Misc change
2008/5/27	1437	Bump version to 0.5.1
2008/5/27	1436	Misc change
2008/5/27	1435	Misc change
2008/5/27	1434	Misc change

# Changes By Month

Date	Change	Description
2008/5/27	1433	Misc change
2008/5/27	1432	Misc change
2008/5/27	1431	Misc change
2008/5/27	1430	Misc change
2008/5/27	1429	Misc change
2008/5/27	1428	Misc change
2008/5/27	1427	Merge raw blastz into Bio-Alien
2008/5/27	1426	Misc change
2008/5/27	1425	Misc change
2008/5/27	1424	Misc change
2008/5/27	1423	Misc change
2008/5/27	1422	Add README.pdf
2008/5/27	1421	Misc change
2008/5/27	1420	Misc change
2008/5/27	1419	Misc change
2008/5/27	1418	Misc change
2008/5/27	1417	Refactor a little to make all n
2008/5/27	1416	Misc change
2008/5/26	1415	Misc change
2008/5/26	1414	Misc change
2008/5/26	1413	Sync to raw blastz
2008/5/26	1412	Rename/Move: //depot/cpan/Bio-A
2008/5/26	1411	Rename/Move: //depot/cpan/Bio-A
2008/5/26	1408	Remove #include "bz_hit.h" and
2008/5/26	1407	Merge struct gap_score to bz_fl
2008/5/26	1406	Remove fatalf();
2008/5/26	1405	Rename hit19* to hit*
2008/5/26	1404	Rename/Move: //depot/c/blastz/b
2008/5/26	1403	Rename/Move: //depot/c/blastz/b
2008/5/26	1402	Refactor a little:
2008/5/26	1401	Remove Union blast_table_t and
2008/5/26	1400	ditto
2008/5/26	1399	Bump version to 0.5.0
2008/5/26	1398	ditto
2008/5/26	1397	Sync to raw blastz
2008/5/26	1396	Don't execute inner(). And so I
2008/5/26	1395	Misc change
2008/5/26	1394	ditto
2008/5/26	1393	Update to 20080501 free ip list
2008/5/26	1392	Misc change
2008/5/26	1391	Misc change
2008/5/25	1390	Sync to raw blastz
2008/5/25	1389	Misc change
2008/5/25	1388	Beautify codes
2008/5/25	1387	Misc change
2008/5/25	1386	Update QQWry.Dat
2008/5/24	1385	Ver 0.4.0
2008/5/24	1384	Don't output lav to stdout dire
2008/5/18	1383	SlickEdit breeze color scheme
2008/5/18	1382	Convert ppt to doc
2008/5/18	1381	Add some comments
2008/5/18	1380	Backup "Start Menu" and SlickEd
2008/5/15	1379	More options in bzrun.pl
2008/5/15	1378	Add a script bzrun.pl
2008/5/15	1377	New version 0.3.0.
2008/5/14	1376	Misc change
2008/5/14	1375	Follow raw blastz

# Changes By Month

Date	Change	Description
2008/5/14	1374	Remove bz_consus.*
2008/5/14	1373	Javadoc
2008/5/14	1372	Convert comment to Javadoc
2008/5/12	1371	Misc change
2008/5/12	1370	Minimal blastz
2008/5/11	1369	Delete repeat mir_class.csv
2008/5/11	1368	Last version support all blastz
2008/5/11	1367	Use perl's Newx/Safefree facili
2008/5/11	1366	Clear more memory leak bugs
2008/5/11	1365	Sync with raw blastz
2008/5/10	1364	Some changes
2008/5/10	1363	Update project file and databas
2008/5/8	1362	Set 'search from' function
2008/5/8	1361	Add details of mir/hairpin
2008/5/8	1360	Create microRNA website
<b>Total :</b>		<b><u>83</u></b>
<b>Month:</b>		<b><u>2008/6</u></b>
2008/6/30	1510	Polish doc
2008/6/30	1509	Misc change
2008/6/30	1508	Convert config.ini from utf8 to
2008/6/29	1507	Update archives
2008/6/28	1506	Misc change
2008/6/28	1505	Misc change
2008/6/25	1504	Misc change
2008/6/25	1503	Misc change
2008/6/25	1502	Add PODs
2008/6/24	1501	Rename/Move: //depot/alignDB_na
2008/6/24	1500	Rename/Move: //depot/alignDB_na
2008/6/24	1499	Misc change
2008/6/24	1498	Fix manifest bug
2008/6/24	1497	AlignDB 1.0.0 package
2008/6/24	1496	Misc change
2008/6/24	1495	Add a protocal
2008/6/18	1494	Add chromosome info and change
2008/6/17	1493	Misc change
2008/6/17	1492	Misc change
2008/6/7	1491	Update archives
2008/6/7	1490	Misc change
2008/6/7	1489	Misc change
2008/6/7	1488	Update docs with new screen sho
2008/6/7	1487	Adjust auto bitmap button
2008/6/7	1486	Update docs
2008/6/7	1485	Update docs
2008/6/7	1484	Add realign.pl and reverse_axt.
2008/6/7	1483	Rename/Move: //depot/alignDB/ax
2008/6/7	1482	Bring build_ensembl.pl back
2008/6/7	1481	Misc change
2008/6/7	1480	ditto
2008/6/6	1479	ditto
2008/6/6	1478	Remove legacy codes
2008/6/6	1477	Misc change
2008/6/6	1476	wwwblast_wupsring
2008/6/6	1475	Misc change
2008/6/5	1474	Remove dependance on Statistics

# Changes By Month

Date	Change	Description
2008/6/5	1473	Update docs
2008/6/4	1472	Add a step-by-step tutorial and
2008/6/4	1471	Misc change
2008/6/4	1470	Misc change
2008/6/4	1469	Remove util/ and t/.
2008/6/3	1468	Update documents
2008/6/3	1467	Update dependence.txt
2008/6/3	1466	Misc change
2008/6/2	1465	Misc change
2008/6/2	1464	CPAN style release
2008/6/2	1463	Misc change
2008/6/2	1462	More strip down
2008/6/2	1461	Remove table window
2008/6/2	1460	Misc change
2008/6/2	1459	Remove more files from project
2008/6/2	1458	CPAN style release
2008/6/2	1457	Add PODs
2008/6/2	1456	CPAN style AlignDB::Window
2008/6/2	1455	Misc change
2008/6/2	1454	Prepare CPAN release
2008/6/2	1453	Rearrange GUI layout to fit thi
2008/6/2	1452	Try to clean alignDB_nature
2008/6/2	1451	Don't use Module::Build
2008/6/2	1450	Strip down all unneeded files
2008/6/2	1449	branching alignDB for submittin
2008/6/1	1448	Use Path::Class to replace File
2008/6/1	1447	Update PODs
2008/6/1	1446	Use Path::Class to replace File
2008/6/1	1445	Use Path::Class to replace File

**Total :** 66

**Month:** 2008/7

2008/7/30	1548	Update rhs stats
2008/7/30	1547	Refactor rhs and gce. Create a
2008/7/30	1546	Rename/Move: //depot/alignDB/gc
2008/7/30	1545	Rename/Move: //depot/alignDB/rh
2008/7/26	1544	Misc change
2008/7/26	1543	Add gce
2008/7/26	1542	misc change
2008/7/26	1541	Update database schema, add two
2008/7/24	1540	Misc change
2008/7/18	1539	Misc change
2008/7/18	1538	ditto
2008/7/18	1537	Add pnas
2008/7/17	1536	Misc change
2008/7/14	1535	Blast function insertion
2008/7/14	1534	Misc change
2008/7/14	1533	Use Sanger Institute replacing
2008/7/13	1532	Add two united options, -ub and
2008/7/12	1531	del
2008/7/12	1530	del
2008/7/12	1529	cyp450 family webscript
2008/7/12	1528	Update ip_range.txt lists
2008/7/10	1527	Misc change
2008/7/10	1526	add a fake proxy

# Changes By Month

Date	Change	Description
2008/7/10	1525	P450 family db scripts
2008/7/7	1524	Misc change
2008/7/7	1523	Misc change
2008/7/7	1522	Misc change
2008/7/7	1521	Misc change
2008/7/7	1520	variation quantitative statisti
2008/7/7	1519	Finish update_multi.pl
2008/7/7	1518	Fix bug in isw_cpg
2008/7/7	1517	Update features for multi
2008/7/7	1516	ditto
2008/7/7	1515	Remove non-CPAN style codes
2008/7/7	1514	Add Orangutan and Marmoset to C
2008/7/5	1513	Rewrite indel_content.pl
2008/7/4	1512	Misc change
2008/7/4	1511	Misc change
<b>Total :</b>		<b><u>38</u></b>
<b>Month: 2008/8</b>		
2008/8/30	1561	Misc change
2008/8/30	1560	Misc change
2008/8/27	1559	Fix an output bug
2008/8/25	1558	Update some tools
2008/8/13	1557	Update proxydb.db3
2008/8/13	1556	Add two options to get_proxy.pl
2008/8/13	1555	Add a new script verify_proxy_a
2008/8/6	1554	Remove legacy libraries
2008/8/5	1553	Update cernet ip blocks
2008/8/2	1552	Stat on qce hotspots
2008/8/2	1551	Misc change
2008/8/2	1550	Add qce hotspot info to DB
2008/8/1	1549	Continue working on qce
<b>Total :</b>		<b><u>13</u></b>
<b><u>Grand Total:</u></b>		<b><u>1,553</u></b>