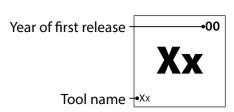


Seagle The Elements of Bioinformatics



90	08	KEY TO TO	OOL TYPE										81	00	00	01	10	
Bn	So		ers (pairwise)		Assemblers G	enomic (Long	Gene Pr	rediction (mRNA)	w	orkflows			Ру	Em	Bi	Вс	Bi	Ms
BLAST NCBI	SOAP	Aligne	ers (short read)		Assemblers G	enomic (Short	Gene Pr	ediction (ncRNA)	G	enome Browse	ers		PHYLIP	EMBOSS	BIOJAVA	BIOCONDUCTOR	BISMARK	SWISS-MODEL
98		Other	Aligners		Assemblers (m	RNA)	Sequen	ce Tools	To	oolKit & APIs		01	00					
Hm	Ma	Multip	ple Sequence <i>l</i>	Aligners	Structure Mod	delling	Databas	se / Warehouse	St	ructure Visuali	isation	Bs	Eh	En	Br	La	Mve	Hh
HMMER	MAQ											BIOSQL	EHIVE	ENSEMBL API	BIORUBY	LAGAN	Mauve	HHPRED
99		94	06	97	04	01	09	03	98	06	97	03						
Mu	Во	CI	Pe	Mi	Se	Jm	Sd	Un	GI	Cd	Tr	Bm	Ta	Eb	Вр	PI	Sa	Ps
MUMmer		CLUSTALW	PECAN	MIRA 97	SEQCLEAN	JMOL	SOAP: DE NOVO	UNIGENE	GLIMMER 3	CD-HIT	TRNASCAN	BIOMART	TAVERNA	ENSEMBL BROWSER	BIOPERL	PLINK	SAMTOOLS	PSIPRED
03					+			09										
Ss	Bw	Cf	Pr	Ce	Fo	Rm	Sg	Cu	Eu	Fx	Rn	In	Gx	Ap	lg	Ut	Am	Qi
SSAHA		T-COFFEE	PRANK	CELERA	FORGE	RASMOL	SGA	CUFFLINKS	EUGENE	FASTX-Toolkit	RNAFOLD	INTERMINE	GALAXY	APOLLO	IGB	UTGB		QIIME
05			1									10			100			
Ex	Bf	Ma	Mv	Ar	Me	Co	Pa	Oa	Ep	Fa	St	Ch	Kn	Gb	Nc	By	Pic	Vc
EXONERATE		MAFFT	MAVID	ARACHNE	MERACULOUS	CORTEX_CON_RP		OASES	ENSEMBL PIPELINE	•	STRELKA	CHADO	KNIME	GBROWSE	NCBI-MAPVIEWER		PICARD	VCFTOOLS
88					+		09	10		96		71	03		+			
Fa	Sm	Rs	Pb	Ph	Qu	AI	Ba	Ty	Sn	Rk	Vt	Pd	Up	lv	Ag	At	As	Ge
FASTA		RNA-STAR	PROBCONS	PHUSION(2)	QUAKE	ALLPATHS-LG	BAMBUS 2 09	TRINITY	SNAP	REPEATMASKER	VARIANTTOOLS	PDP	UNIPROT	IGV	ARGO	ARTEMIS	APSAMPLER	GENABEL
05								09				97	1		+		APSAMPLER 04	
Ac	Ja	Gm	Fs	Pi	Ve	Sp	Cn	Au	Ma	Mm	Jv	Ct	Tg	Da	Jb	Mb	Pn	Ug
ACT	JALIGNER	GMAP/GSNAP	FSA	PRICE	VELVET	SPADES	Contrail	AUGUSTUS	MGENE	МетаВіоме	JalView	САТН	MISO	DALLIANCE BROWSER	JBROWSE	MrBayes	PHASTCONS	UGENE
ACI	JALIGNER	04			VELVET	SPADES	CONTRAIL	05								IVIRDATES	FHASICONS	OGENE
		MI	Po					Ji	Th	Re	Fb	En	Pf	Sk	Sv			
		MUSCLE	PROT PAL					JIGSAW	Торнат	RSEM	FLEXBAR		■ PFAM	SEQMONK	SAVANT			
		MOSCLE	PROTPAL	ı				JIGSAVV	10		_	ENA 05						
									Dp	Nm	Gk	lp	Cm	Cb	Tm			
									Develop			-						
									DENDROPY	NESTEDMICA	GENBANK	INTERPRO	CHEMBAL	СнЕВІV	TRANSMART	J		

TOOLS FREE FOR ACADEMICS ONLY

LY	02	00	00	11	11	99	97	06	09	97	04	03	01	92	98	07
	BI	Vm	Md	Rt	Av	Fg	Gn	Bh	Ga	Pm	Cr	DI	Pc	Td	Ts	Tgp
		VMATCH		RNNOTATOR	ANNOVAR	FGENESH	GENSCAN	BIOWAREHOUSE	GATK	PAML	CHIMERA	Dali	PCAP	THREADER	ТМНММ	TARGETP
	92	01	09	13	03	11	08	89	08	11		09	01	03	96	97
	Cm	Sh	Ab	Mt	Mx	Mk	Mr	Pro	Pt	Sw	Pm	No	Uc	Мо	Ro	San
		5		1416		1411		• • •		SRNA WORKBENCH		110		1410	110	Jap
	CROSSMATCH	SSAHA2	ABYSS	MuTect	MEME	MAKER	MIRDEEP	PROSITE			PYMOL	AA	UCSC	MODELLER	ROSETTA	SIGNALP

COMMERCIAL TOOLS

	08		08	03	97	10	10		09	
	Zm	Ca	Gd	lt	Sr	Gp	An	Pk	Dx	
	ZOOM	CASAVA	GENEDATA	INTEGROMICS	SRS	GENEXPLAIN	AvidasNGS	Partek	Partek	
	07	05	10	03	99	99		05	05	
	Oz	Ne	Gp	Mh	Mc	Pp	Gs	Gu	Cb	
ı	OLIGOZIP	NEWBLER	GENEPOOL	Матсн	Mascot	PIPELINE PILOT	GENESPRING	GENEIOUS PRO	CLC BIO	



