eagle genomics

The Elements of Bioinformatics

KEY TO TOOL TYPE

Year of first release

00
Xx
XX

Tool name

- **Aligners** pairwise
- **Aligners** short read
- **Multiple Sequence Aligners**
- **Assemblers Genomic** Long read [L]
- **Assemblers Genomic** Short read [S]
- **Assemblers mRNA**
- **Gene Prediction mRNA**
- **Gene Prediction ncRNA**
- **Database/Warehouse**
- **Workflows**
- **Genome Browsers**
- **ToolKit & APIs**

OPEN SOURCE TOOLS

90 **Bn** BLAST NCBI	08 **So** SOAP														81 **Py** PHYLIP	00 **Em** EMBOSS	00 **Bj** BIOJAVA	01 **Bc** BIOCONDUCTOR	09 **Qi** QIIME
98 **Hm** HMMER	07 **Ma** MAQ										01 **Bs** BIOSQL	00 **Eh** eHIVE	00 **En** ENSEMBL API	00 **Br** BIORUBY	03 **La** LAGAN	09 **Vc** VCFTOOLS
99 **Mu** MUMMER	08 **Bo** BOWTIE	94 **Cl** CLUSTALW	06 **Pe** PECAN	97 **Mi** MIRA 97 [L]	07 **Oz** OLIGOZIP	07 **Al** ALLPATHS-LG [S]	09 **Sd** SOAP: DE NOVO [S]	03 **Un** UNIGENE	98 **Gl** GLIMMER	08 **Mg** MGENE	97 **Tr** tRNAscan	03 **Bm** BIOMART	03 **Ta** TAVERNA	00 **Eb** ENSEMBL BROWSER	00 **Bp** BIOPERL	07 **Pl** PLINK	09 **Ga** GATK
03 **Ss** SSAHA	09 **Bw** BWA	00 **Cf** COMBINE, RCOFFEE T-COFFEE, MCOFFEE, EXPRESSO,	10 **Pr** PRANK	97 **Ce** CELERA [L]	09 **Fo** FORGE [L]	07 **Ve** VELVET [S]	09 **Sg** SGA [S]	09 **Cu** CUFFLINKS	99 **Eu** EUGENE	09 **Au** AUGUSTUS	07 **Mp** miPRED	07 **In** INTERMINE	07 **Gx** GALAXY	02 **Ap** APPOLO	04 **Ig** IGB	07 **Ut** UTGB	09 **Sa** SAMTOOLS
05 **Ex** EXONERATE	09 **Bf** BFAST	02 **Ma** MAFFT	04 **Mv** MAVID	02 **Ar** ARACHNE [L]	10 **Me** MERACULOUS [L]	08 **Co** CORTEX_CON_RP [S]	10 **Pa** PE-ASSEMBLER [S]	10 **Oa** OASES	00 **Ep** ENSEMBL PIPELINE	11 **Sn** SNAP	08 **Mr** miRDEEP	10 **Ch** CHADO	08 **Kn** KNIME	02 **Gb** GBROWSE	04 **Nc** NCBI-MAPVIEWER	07 **Ag** ARGO	10 **Am** AMPLICONNOISE
10 **Sm** SMALT	04 **Ml** MUSCLE	05 **Pb** PROBCONS	03 **Ph** PHUSION(2) [L]	10 **Qu** QUAKE [L]	09 **Ba** BAMBUS 09 [S]			05 **Ji** JIGSAW		10 **Rn** RNAFOLD			02 **At** ARTEMIS	07 **Jb** JBROWSE	08 **Iv** IGV	11 **Da** DALLIANCE BROWSER	
			04 **Se** SEQCLEAN	11 **Pi** PRICE [L]													

TOOLS FREE FOR ACADEMICS ONLY

02 **Bl** BLAT	XX **Vm** VMATCH	01 **Sh** SSAHA2	XX **Fa** FASTA	XX **Cm** CROSSMATCH	XX **No** NOVOALIGN	09 **Ab** ABYSS [S]	99 **Fg** FGENESH	11 **Mk** MAKER	97 **Gn** GENSCAN	02 **Uc** UCSC

COMMERCIAL TOOLS

XX **Zm** ZOOM	01 **Pc** PCAP	11 **Ne** NEWBLER	XX **Pp** PIPELINE PILOT	XX **Gs** GENESPRING	05 **Cb** CLC BIO