Annex 1 : Palingol language summary

The characters indicated within parentesis are optionnal; for instance sub(s)(tract) may be spelled : sub or subs or subtract or substract.

-1- General Directives

%pragma		
pragma	debug	prune
volatil	on	off

-2- Program Sections

%start	%before	%program
%after	%end	
pal(indrome)	span(s)	cross(es)

-3- Span Specifications

%none	%s(tart)_h(ead)	%e(nd)_h(ead)
%s(tart)_t(ail)	%e(nd)_t(ail)	

-4- Operators and Constants Names

• ***physical constants***

head	tail	loop
fullseq(uence)	seqnam(e)	seqinf(o)

• ***operator acting on physical***

start	end	seq(uence)
len(gth)	direct(strand)	energ(y)

• ***boolean operations***

true	false	
not	and	or
equiv(alent)		

• ***numerical comparisons***

zero	eq	ne
lt	le	gt
ge		

• ***numerical operations***

opp(osite)	sq(uare)	
add	sub(s)(tract)	mul(tiply)
div(ide)	mod(ulo)	

• ***string related***

complem(ent)	inver(se)	complinv(erse)
str(ing)cat	s(ub)str(ing)	str(ing)len
str(ing)empty	str(ing)(in)str(ing)	str(ing)beg(ins)
str(ing)end(s)	str(ing)c(o)mp(are)	

• ***consensus matrices and pattern searching***

scoremat(rix)		
pat(tern)compil(e)	pat(tern)match	pat(tern)search
matchpos(ition)	matcherr(or)(s)	matchfrag(ment)

• ***base pairing***

b(ase)p(air)compil(e)	scoreb(ase)p(air)	

• ***miscellaneous***

set	exist(s)	print(f)

-5- Flow Control

if else while