

()

//
//

*

:

()

:

(TLC)

*

R_f

(DAP)

:

%

:

:

()

)

()

(

: ()

(Numerical-Taxonomy) ()

(Chemotaxonomy) .()

(Serology)

(Phylogeni)

.() .()

.()

. () ()

.()

A3 γ I

.()

(Geosmin)

.()

(L-DAP)

DNA

.()

%

(bp 60-80°C)

TLC

(Kodak 13255)

/)

(*meso*-DAP)

(*LL*-DAP & D-DAP

: : :

(V/V)

(W/V)

/

R_f

(DAP)

(Sporulation)

(%)

TLC

(/) (/) (/) (/) (/) () (/)

(meso-DAP)

(LL DAP)

R_f

DAP		
meso - DAP	LL - DAP	
% /	% /	
% /	% /	
% /	% /	
	%	
	%	
	%	
	%	

DAP

DAP

R_f

R_f

(LL-DAP)

(meso-DAP)

()

(LL-DAP)

()

(meso-DAP)

%

DAP

()

()

()

()

/

pH

pH

pH

pH

)

()

DNA

RNA

(

pH

()

()

(L-DAP)

)

(...

GLC

DAP

Mass-Spectrophotometry, TLC, HPLC, GLC

DAP

(L-DAP)

(LL-DAP)

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