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	Compute Optimal Alignment Clear Path Custom Path		Match Score	Sequence 2	Sequence 1
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J	h	-3	1	1	-2	A	Compute Optimal Alignment	7	Mismatch Score	ATGCTA	ACTA
,	3	0	0	-1	4	hannan	t Clear Path		ch Score	•	
	1	-1	-2	-3	-6	0		'n	Gap		
7-2	٠,	-3	-2	-5	&	0	Custom Path		Gap Score		
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6	0	-3	-6	-9	-12	A		Score = 0	ı	T	
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The motivation behind this demo is that I had some difficulty understanding the algorithm, so to gain better understanding I decided to implement it. This is not meant for serious use, What I tried to do here is to illustrate visually how the matrix is constructed and how the algorithm works. Also I wanted to allow some freedom for the user to construct a custom path along the matrix and see how paths translate into alignment "or mis-alignments". The code is available on github and is released under GNU/GPL3. If you wish to contact me san email to mostafa.mohmmed@gmail.com.

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-13	-11	-9	-7	-5	-3	-1	-2		Compute Optimal Alignment	<u> </u>	Mismatch Score	MPRCLC	PBRCKCRNJCJA
-12	-10	∞	-6	-4	-2	-1	4	protection	Clear Path		ch Score	MPRCLCQRJNCBA	RNJCJA
-9	-7	<u>ئ</u>	-3	-1	-2	-3	-6			-2	Gaj	A	
-6	-4	-2	0	-3	-4	-Ç1			Custom Path		Gap Score		
Ŷ	-3	-1	-2	-5	-6	-7	-10	postrud		Sco	P	Z	
-2	0	-3	4	-7	-8	-9	-12	0		Score = -2	B R	P R	
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1	-4	-7	∞	-9	-12	-13	-16	ionand J			K C		
చ	-6	-9	-10	-11	-14	-15	-18				R		
-5	-&	-11	-12	-13	-16	-17	-20	Z			J	J	
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-16	-14	-12	-10	-8	
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-12	-10	-8	-6	-4	Interactive
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-7	ې.	-3	-1	-2	"Wunsch alg
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2	2	2	2	2	1	1	0	parent	Clear Path C	0		Š	
ω	3	3	3	2	1	1	0	Ω	Custom Path		Gap Score		
ω	3	3	3	2	1	1	0	jezzaid	5	Sco	1	X	
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51	2	5	5	5	Interactive demo for Needlemanâ€"Wunsch algor
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