

Sputcn32_0248_Syntenyl	MSALYRNSISFFRVIGTIFILQTMGGILIAAAEPGTTEPLLTVYKDANC	50
Shewana3_4286_Syntenyl	MSALYRNSISFFRVIGTIFILQTMGGILIAAAEPGTTEPLLTVYKDANC	50
Sfri_1968_Syntenyl	MSALYRNSIRFFRVIGTIFILQIMGGMLPAHAAEPGTTPAPLLTVYKDANC	50
Sputcn32_0263_Syntenyl	-----MVLMAALGLSLPAMASEK-----VIDMYKSENC	29
Shewana3_4301_Syntenyl	-----MVLMAALGLSLPAMASEK-----VIDMYKSENC	29
	::: * * * *: * :: : ** *	
Sputcn32_0248_Syntenyl	GCCEKWLTHISERGFVSAHNINN--LYEFKQSKGIPASMQSCHTAVSSQ	98
Shewana3_4286_Syntenyl	GCCEKWLTHISERGFVSAHNINN--LYEFKQSKGIPASMQSCHTAVSSQ	98
Sfri_1968_Syntenyl	GCCEKWLTHIRERGFVNAHNINN--LYEFKQSKGIPASMQSCHTAVSSQ	98
Sputcn32_0263_Syntenyl	GCCSLWGKAMEKDGFVTRTHVMNDQALSALKEKHAIPAGLRSCHTAVAGN	79
Shewana3_4301_Syntenyl	GCCSLWGKAMEKDGFVTRTHVMNDQALSALKEKHAIPAGLRSCHTAVAGN	79
	*** * . : : ** * : * : * : * : * : * : * : * : * : *	
Sputcn32_0248_Syntenyl	GYVFEGHVPKAFISRFPLATPPKDAIGLTVPAMPVGSPPGMEYQDKFMPYQV	148
Shewana3_4286_Syntenyl	GYVFEGHVPKAFISRFLATPPKDAIGLTVPAMPVGSPPGMEYQDKFMPYQV	148
Sfri_1968_Syntenyl	GYVFEGHIPAKAFISRFPLATPPKDAIGLTVPAMPVGSPPGMEYQDKFMPYQV	148
Sputcn32_0263_Syntenyl	-LIIEGHVPATTIHKAMQSGS-GIYGLATPGMPAGSPGMEYQDKFMPYQV	127
Shewana3_4301_Syntenyl	-LIIEGHVPATTIHKAMQSGS-GIYGLATPGMPAGSPVMEYQDKFMPYQV	127
	: : * : * : * : : : . . ** : . * : * : * : * : * : *	
Sputcn32_0248_Syntenyl	LLLKKDGSSEVYAQVNSLEESVQ	171
Shewana3_4286_Syntenyl	LLLKKDGSSEVYAQVNSLEESVQ	171
Sfri_1968_Syntenyl	LLLKNDGSSQVYAQVNSLEESVQ	171
Sputcn32_0263_Syntenyl	IAFSPDGSKKVFQRIE-----	143
Shewana3_4301_Syntenyl	IAFSPDGSKKVFQRIE-----	143
	: : . * : * : : :	

INPUT:
>Sputcn32_0248_Syntenyl [Shewanella putrefaciens CN-32]
MSALYRNSISFFRVIGTIFILQTMGGILIRAAEAPGTTEPLLTVYKDANC GCCEKWLTHISERGFSVSAH
NINNLVEFKQSKGIPASMQSCHTAVSSQGYVFEHGVPAKFISRF LATPPKDAIGLTPAMPV GSPGMEYQ
DKFMPYQVLLLLKKDGSSEVYAQVNSLEESVQ
>Sputcn32_0263_Syntenyl2 [Shewanella putrefaciens CN-32]
MVLMLALGLSLPAMASEKVIDMYKSENCGCCSLWGKAMEKDGFEV RTHVMNDQALSALKEKHAIPAGLR
SCHTAVAGNLIIEGHVPATTIHKAMQSGSGIYGLATPGMPAGSPG MEMGARKEAYDVIAFSPDGSKKVQ
RIE
>Shewana3_4286_Syntenyl [Shewanella sp. ANA-3]
MSALYRNSISFFRVIGTIFILQTMGGILIRAAEAPGTTEPLLTVYKDANC GCCEKWLTHISERGFSVSAH
NINNLVEFKQSKGIPASMQSCHTAVSSQGYVFEHGVPAKFISRF LATPPKDAIGLTPAMPV GSPGMEYQ
DKFMPYQVLLLLKKDGSSEVYAQVNSLEESVQ
>Shewana3_4301_Syntenyl2 [Shewanella sp. ANA-3]
MVLMLALGLSLPAMASEKVIDMYKSENCGCCSLWGKAMEKDGFEV RTHVMNDQALSALKEKHAIPAGLR
SCHTAVAGNLIIEGHVPATTIHKAMQSGSGIYGLATPGMPAGSPV MEMGARKEAYDVIAFSPDGSKKVQ
RIE

>Sfri_1968_Syntenyl [[Shewanella frigidimarina NCIMB 400](#)]
 MSALYRNSIRFFRVIGTIFILQIMGGMLPAHAAEPGTTAPLLTVYKDANCGCCEKWLTHIRERGFVSNAH
 NNNLYEFKQSKGIPASMQSCHTAVSSQGYVFEGHIPAKFISRFLATPPKDAIGLTVPAMPVGSPPGMEYQ
 DKFMPYQVLLLKNDGSSQVYAQVNSLEESVQ

Scores Table

SeqA Name	Len (aa)	SeqB Name	Len (aa)	Score
=====	=====	=====	=====	=====
1 Sputcn32_0248_Syntenyl	171	2 Sputcn32_0263_Syntenyl	143	34
1 Sputcn32_0248_Syntenyl	171	3 Shewana3_4286_Syntenyl	171	100
1 Sputcn32_0248_Syntenyl	171	4 Shewana3_4301_Syntenyl	143	33
1 Sputcn32_0248_Syntenyl	171	5 Sfri_1968_Syntenyl	171	93
2 Sputcn32_0263_Syntenyl	143	3 Shewana3_4286_Syntenyl	171	34
2 Sputcn32_0263_Syntenyl	143	4 Shewana3_4301_Syntenyl	143	99
2 Sputcn32_0263_Syntenyl	143	5 Sfri_1968_Syntenyl	171	37
3 Shewana3_4286_Syntenyl	171	4 Shewana3_4301_Syntenyl	143	33
3 Shewana3_4286_Syntenyl	171	5 Sfri_1968_Syntenyl	171	93
4 Shewana3_4301_Syntenyl	143	5 Sfri_1968_Syntenyl	171	36
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Reference

1. Larkin MA, Blackshields G, Brown NP, Chenna R, McGettigan PA, et al. (2007) Clustal W and Clustal X version 2.0. Bioinformatics 23: 2947-2948.