

Table S3. NCBI Trace Archives sequences used in this study.

<b><i>Rhodospiridium babjevae</i></b>	
<b>STE3.A2</b> (includes the 5'-end of LSm7 and 3'-end of RibL6 putative flanking genes)	
tij	2154151284 name:FUHB15613.g1
tij	2195334063 name:FVAF22906.b1
tij	2195327270 name:FVAF17973.g1
tij	2154446490 name:FVAG21685.b1
tij	2154537287 name:FVAG43948.b1
tij	2154452092 name:FVAG24486.b1
tij	2154291912 name:FUHB42794.g1
tij	2154443469 name:FVAG20174.g1
<b><i>Sporidiobolus salmonicolor</i></b>	
<b>HD1/HD2 region</b>	
tij	1244034137 name:BAUG63963.g1
tij	1243919455 name:BAUG5057.g1
tij	1244020867 name:BAUG56453.b1
tij	1243931890 name:BAUG10196.g1
tij	1243965174 name:BAUG37624.g1
tij	1244003711 name:BAUG55425.b1
tij	1243998420 name:BAUG42358.g1
tij	1244025540 name:BAUG59590.g1
tij	1244020332 name:BAUG49966.b1
tij	1243943891 name:BAUG16629.b1
tij	1243937469 name:BAUG10687.g1
tij	1243958334 name:BAUG25600.b1
tij	1244003699 name:BAUG55413.b1
tij	1243967269 name:BAUG34439.g1
tij	1243996862 name:BAUG45312.b1
tij	1244031458 name:BAUG63684.g1
tij	1243974274 name:BAUG32324.g1
tij	1243951950 name:BAUG19696.b1
tij	1243993653 name:BAUG42295.b1
<b>Partial sequence of the <i>RPO41</i> gene</b> (Putative DNA-dependent RNA polymerase)	
tij	1243937005 name:BAUG11471.b1
tij	1243946449 name:BAUG18899.b1
tij	1243925713 name:BAUG9587.g1
tij	1244026558 name:BAUG59648.g1
tij	1243980948 name:BAUG37078.b1
tij	1244022107 name:BAUG60765.b1
tij	1243999058 name:BAUG38580.g1
tij	1244030807 name:BAUG63417.b1
<b>Partial sequence of the <i>PAN6</i> gene</b> (Putative pantoate-beta-alanine ligase)	
tij	1243999491 name:BAUG39589.b1
tij	1243944265 name:BAUG18155.g1
tij	1243939898 name:BAUG15996.b1
tij	1244024936 name:BAUG62826.g1
tij	1243921720 name:BAUG5210.b1

<b>Partial sequence of the <i>STE20</i> gene</b> (Putative p21-activated protein kinase)	
tij	1243947537 name:BAUG24979.g1
tij	1243983780 name:BAUG45862.b1
tij	1244033153 name:BAUG61059.b1
tij	1243931275 name:BAUG14477.g1
tij	1243964000 name:BAUG19266.b1
tij	1244010134 name:BAUG51096.b1
tij	1244008391 name:BAUG52617.b1
tij	1244012976 name:BAUG51538.g1
tij	1243932804 name:BAUG11782.g1
tij	1244008568 name:BAUG52794.b1
tij	1243986237 name:BAUG46207.g1
tij	1243931275 name:BAUG14477.g1
<b>Partial sequence of the <i>KAP95</i> gene</b> (Putative Karyopherin $\beta$ 1 - importin)	
tij	1243914633 name:BAUG2422.x1
tij	1243945047 name:BAUG18361.g1
tij	1244013243 name:BAUG52477.b1
tij	1244003594 name:BAUG55308.b1
tij	1243947825 name:BAUG24979.b1
tij	1244019354 name:BAUG53116.g1
tij	1244010118 name:BAUG51080.b1
tij	1244023708 name:BAUG62750.b1
tij	1243943827 name:BAUG18773.b1
tij	1244005440 name:BAUG49762.b1
<b>Partial sequence of the <i>LSm7</i> gene</b> (Putative small nuclear ribonucleoprotein)	
tij	1243966515 name:BAUG34933.b1
tij	1244006137 name:BAUG55067.b1
tij	1244019455 name:BAUG53217.g1
tij	1244006358 name:BAUG55288.b1
tij	1243968129 name:BAUG36451.g1
tij	1244035821 name:BAUG58639.g1
<b>Partial sequence of the <i>RibL18</i> gene</b> (Putative Ribosomal L18ae protein)	
tij	1244029876 name:BAUG59030.g1
tij	1244027010 name:BAUG60100.b1
tij	1243938823 name:BAUG14825.b4
tij	1244024596 name:BAUG61718.b1
<b>Partial sequence of the <i>RNAPOL</i> gene</b> (Putative DNA directed RNA polymerase III, 30/40 KDa subunit)	
tij	1243928029 name:BAUG8159.b1
tij	1244017874 name:BAUG56436.b5
tij	1243938919 name:BAUG14825.g2
tij	1244027106 name:BAUG60100.g1
tij	1244002511 name:BAUG47217.g1
<b>Partial sequence of the <i>GPD</i> gene</b> (Putative glyceraldehyde-3-phosphate dehydrogenase – GAPDH)	
tij	1244012762 name:BAUG53916.b1
tij	1243987204 name:BAUG43814.b1
tij	1243961274 name:BAUG24220.b1

Table S3. Continued.

<b>Partial sequence of the <i>MIP</i> gene</b> (Putative mitochondrial intermediate peptidase)	
tij	1243979024 name:BAUG29298.g1
tij	1243946492 name:BAUG18942.b1
tij	1243993537 name:BAUG42179.g1
tij	1244034662 name:BAUG64392.b1
tij	1244008528 name:BAUG52754.b1
tij	1243938225 name:BAUG11059.g1
tij	1243918485 name:BAUG1303.y1
tij	1243959176 name:BAUG22218.b1
tij	1243964071 name:BAUG19337.b1
<b>Partial sequence of <i>IsocL</i> gene</b> (Putative isocitrate lyase)	
tij	1244032592 name:BAUG59346.g1
tij	1243913568 name:BAUG1741.x1
tij	1243931944 name:BAUG10250.g1
tij	1243952262 name:BAUG19816.g1
tij	1243963834 name:BAUG20636.b1
tij	1243965732 name:BAUG38182.g2
tij	1243981027 name:BAUG37061.g1
tij	1243971150 name:BAUG29488.b2
<b>Partial sequence of the <i>NGP1 (NOG2)</i> gene</b> (Putative Nucleolar GTP-binding protein 2)	
tij	1243932700 name:BAUG11678.g1
tij	1244009264 name:BAUG57426.b1
tij	1244000123 name:BAUG39933.b1
tij	1243941162 name:BAUG17164.b1
tij	1244019186 name:BAUG52180.g2
tij	1243984108 name:BAUG45710.g1
tij	1243948626 name:BAUG24724.b1
tij	1244029720 name:BAUG58970.b1
tij	1243918656 name:BAUG1474.y1
tij	1244014951 name:BAUG53321.b1
tij	1243966796 name:BAUG33966.b1
tij	1243966495 name:BAUG34913.b1
tij	1243933163 name:BAUG12429.b1
tij	1244034658 name:BAUG64388.b1
tij	1243921840 name:BAUG5330.b1
<b>Partial sequence of the <i>AKOR2</i> gene</b> (Putative aldo-keto reductase)	
tij	1244016242 name:BAUG56724.g1
tij	1243951077 name:BAUG20935.b1
tij	1243949884 name:BAUG28574.b1
tij	1244024160 name:BAUG57922.g1
tij	1244021707 name:BAUG48845.b1
tij	1244024160 name:BAUG57922.g1
tij	1243966759 name:BAUG33929.b1
tij	1243913061 name:BAUG1233.x1
tij	1243949884 name:BAUG28574.b1

<b>Partial sequence of the <i>RPB2</i> gene</b> (Putative RNA polymerase II second largest subunit)	
tij	1243971757 name:BAUG32111.g1
tij	1244020882 name:BAUG56468.b1
tij	1243983637 name:BAUG45719.b1
tij	1243920596 name:BAUG3510.g1
tij	1243971149 name:BAUG29487.b2
tij	1243965032 name:BAUG37578.b1
tij	1243961708 name:BAUG22830.g1
tij	1244035646 name:BAUG58464.g1
tij	1243917934 name:BAUG6120.x1
tij	1243920588 name:BAUG3502.g1
tij	1243922988 name:BAUG8878.b1
tij	1243938766 name:BAUG14768.g2
tij	1243961708 name:BAUG22830.g1
<b>“Autosomal” markers – <i>S. salmonicolor</i></b>	
<b>Partial sequence of the <i>sdhA</i> gene</b> (Putative succinate dehydrogenase flavoprotein subunit)	
tij	1243932965 name:BAUG12327.b1
tij	1243949976 name:BAUG28570.g1
tij	1244011373 name:BAUG57519.g1
tij	1243982038 name:BAUG29912.b1
tij	1244024325 name:BAUG60967.g1
<b>Partial sequence of the <i>URA3</i> gene</b> (orotidine 5'-phosphate decarboxylase)	
tij	1244022690 name:BAUG61732.g1
tij	1244004916 name:BAUG55766.g1
tij	1243996898 name:BAUG44964.g1
tij	1243942104 name:BAUG17626.b1
tij	1243939980 name:BAUG15982.g1
tij	1243942104 name:BAUG17626.b1
tij	1244011207 name:BAUG57353.g1
<b>Partial sequence of the <i>HXT1</i> gene</b> (putative hexose transporter)	
tij	1243923129 name:BAUG8923.g1
tij	1243923641 name:BAUG9147.g1
tij	1244007487 name:BAUG48257.b1
tij	1243978746 name:BAUG37660.g1
tij	1244008309 name:BAUG49847.g1
tij	1243932413 name:BAUG11391.g1
tij	1244025679 name:BAUG59729.b1
tij	1244028271 name:BAUG62513.b2
tij	1243928371 name:BAUG9653.b1
tij	1243949421 name:BAUG24847.b1
tij	1243981984 name:BAUG29858.b1
tij	1244014361 name:BAUG54075.g1
tij	1243923622 name:BAUG9128.g1
tij	1243953511 name:BAUG23465.g1
tij	1243935956 name:BAUG14166.g1
tij	1243943748 name:BAUG18694.b1
tij	1244021128 name:BAUG56714.b1
tij	1243914662 name:BAUG2451.x1
tij	1243923263 name:BAUG8961.g1
tij	1244019696 name:BAUG53650.b1
tij	1243916660 name:BAUG4840.y1
tij	1243927197 name:BAUG7711.g1

Table S3. Continued.

Partial sequence of the <i>RAN1</i> gene (putative protein serine/ threonine kinase)	
tij  1243988647	name:BAUG46505.b1
tij  1244016377	name:BAUG48987.b1
tij  1244006386	name:BAUG55796.g1
tij  1244005972	name:BAUG52982.g1
tij  1243915389	name:BAUG2796.x1
tij  1243988647	name:BAUG46505.b1
Partial sequence of the <i>aldA</i> gene (putative NAD-aldehyde dehydrogenase)	
tij  1244020809	name:BAUG56203.b2
tij  1244016587	name:BAUG51021.g1
tij  1243935797	name:BAUG14103.g1
tij  1243978923	name:BAUG29197.g1
tij  1243958883	name:BAUG21445.b1
tij  1243988822	name:BAUG46584.b1
tij  1243930459	name:BAUG12893.g1
tij  1244032672	name:BAUG59426.b1
tij  1244033401	name:BAUG61211.b1
tij  1244014959	name:BAUG53329.b1
tij  1243978923	name:BAUG29197.g1
tij  1243986112	name:BAUG46178.b1
tij  1244010416	name:BAUG51282.b1
tij  1243964402	name:BAUG20436.g1
tij  1244032672	name:BAUG59426.b1
tij  1244033401	name:BAUG61211.b1
tij  1244014959	name:BAUG53329.b1
tij  1243978923	name:BAUG29197.g1
tij  1243986112	name:BAUG46178.b1
tij  1244010416	name:BAUG51282.b1
tij  1243964402	name:BAUG20436.g1
Partial sequence of the <i>PAL</i> gene (putative NAD-aldehyde dehydrogenase)	
tij  1244023897	name:BAUG62939.b1
tij  1243917414	name:BAUG5594.y1
tij  1244028263	name:BAUG62505.b2
tij  1243999288	name:BAUG38714.b1
tij  1243988576	name:BAUG45666.b1
tij  1243941753	name:BAUG15739.g1
tij  1243997975	name:BAUG39225.g1
tij  1243979468	name:BAUG29742.b1
Partial sequence of the <i>DMC1</i> gene (putative meiosis-specific recombinase )	
tij  1244026568	name:BAUG59658.g1
tij  1243954225	name:BAUG23891.g1
tij  1244015333	name:BAUG50055.g1
tij  1244030098	name:BAUG58388.b1
Partial sequence of the <i>GEF1</i> gene (putative phenylalanine ammonia-lyase)	
tij  1243992869	name:BAUG42087.b1
tij  1243919507	name:BAUG5109.g1
tij  1243920956	name:BAUG6942.g1
tij  1243975744	name:BAUG33506.g1
tij  1243981595	name:BAUG30237.b1
tij  1243982772	name:BAUG29782.g1
tij  1244026095	name:BAUG60337.g1
tij  1243982553	name:BAUG30715.g1

Partial sequence of the <i>LACC</i> gene (putative laccase protein)	
tij  1244008544	name:BAUG52770.b1
tij  1243941934	name:BAUG17456.b1
tij  1243992777	name:BAUG41995.g1
tij  1243956635	name:BAUG27165.b1
tij  1244018080	name:BAUG50306.g1
tij  1243928557	name:BAUG12047.b1
tij  1244013399	name:BAUG53785.g1
tij  1243954711	name:BAUG24185.b1

<i>Rhodospiridium babjevae</i>	
HD1-HD2	
tij  2154331804	name:FwAF8985.g1
tij  2154456123	name:FwAG26501.g1
tij  2154540940	name:FwAG45774.g1
tij  2154229020	name:FUHB29492.b1
tij  2195319826	name:FwAF13483.g1
tij  2154235755	name:FUHB32859.g1
tij  2195334783	name:FwAF24034.b1
tij  2154503699	name:FwAG36226.b1
tij  2195316925	name:FwAF12033.b1
tij  2154229021	name:FUHB29492.g1
tij  2154430327	name:FwAG18979.b1
tij  2195318461	name:FwAF12801.b1
tij  2154533013	name:FwAG41811.b1
tij  2154534672	name:FwAG42640.g1
tij  2154333225	name:FwAF994.b1
tij  2195322807	name:FwAF15742.b1
tij  2195332082	name:FwAF20763.g1
tij  2154197503	name:FUHB28724.g1
tij  2154499347	name:FwAG34050.b1
tij  2195335759	name:FwAF24522.b1
tij  2154197502	name:FUHB28724.b1
tij  2154447297	name:FwAG22088.g1
tij  2154500783	name:FwAG34768.b1
tij  2154233232	name:FUHB31598.b1
tij  2154419698	name:FwAG13664.g1
tij  2154326269	name:FwAF647.b1
tij  2154367586	name:FwAG1711.b1
tij  2154430851	name:FwAG9641.b1
tij  2154233233	name:FUHB31598.g1
tij  2154343709	name:FwAF10244.g1
tij  2154368702	name:FwAG2269.b1
tij  2154321820	name:FwAF4447.g1
tij  2154418949	name:FwAG13290.b1