

Supplemental Table 1: Strains used in this work

<i>MAD no.</i>	<i>complete genotype</i>	<i>source</i>
2	<i>biA1</i>	<i>Our collection</i>
1739	<i>pyrG89 pyroA4 nkuAΔ::bar</i>	<i>H.N.Arst</i>
1740	<i>pyrG89 pyroA4 nkuAΔ::bar pacC900</i>	<i>H.N.Arst</i>
2220	<i>pyrG89? pabaA1 palH72 palA::gfp-pyrG^{Af} inoB2 pyroA4</i>	<i>This study</i>
2221	<i>pyrG89? palH72 palA::gfp-pyrG^{Af} inoB2</i>	<i>This study</i>
2223	<i>pyrG89? palA::gfp-pyrG^{Af} pyroA4</i>	<i>This study</i>
2224	<i>pyrG89? palA::gfp-pyrG^{Af} inoB2 palB38</i>	<i>This study</i>
2225	<i>pyrG89? wA1 palA::gfp-pyrG^{Af} pyroA4 palB38</i>	<i>This study</i>
2231	<i>pyrG89? palA::gfp-pyrG^{Af} pyroA4? palCΔ::pyroA^{Af}</i>	<i>This study</i>
2232	<i>pyrG89? palA::gfp-pyrG^{Af} pyroA4? palCΔ::pyroA^{Af}</i>	<i>This study</i>
2234	<i>pyrG89? palA::gfp-pyrG^{Af}</i>	<i>This study</i>
2486	<i>pyroA4[pyroA*-gpdA^{mini}::PalF-(HA)3] inoB2 nkuA::bar pacC900</i>	<i>Hervás-Aguilar et al. 2010</i>
2569	<i>pyrG89? palA::mCherry-pyrG^{Af} palC::gfp-pyrG^{Af} niiA4</i>	<i>This study</i>
2570	<i>ya2 pabaA1 pyrG89? palA::mCherry-pyrG^{Af} palC::gfp-pyrG^{Af}</i>	<i>This study</i>
2630	<i>pyrG89? palA::gfp-pyrG^{Af} pyroA4 sltA54 fwA1</i>	<i>This study</i>
2631	<i>biA1 pyrG89? palA::gfp-pyrG^{Af} pyroA4 sltA54 fwA1</i>	<i>This study</i>
2632	<i>biA1 pyrG89? vps32Δ::pyrG^{Af} palA::gfp-pyrG^{Af} pyroA4 sltA54</i>	<i>This study</i>
2633	<i>pyrG89? vps32Δ::pyrG^{Af} palA::gfp-pyrG^{Af} pyroA4 sltA54</i>	<i>This study</i>
2648	<i>biA1 pyrG89? vps32Δ::pyrG^{Af} palC::gfp-pyrG^{Af} sltA54</i>	<i>This study</i>
2649	<i>pyrG89? vps32Δ::pyrG^{Af} palC::gfp-pyrG^{Af} sltA54</i>	<i>This study</i>
2705	<i>palH72 nkuAΔ::bar pyroA4::[pyroA*-gpdA^{mini}::palF::(HA)3] pacC900</i>	<i>Hervás-Aguilar et al. 2010</i>
2719	<i>pyroA4::[pyroA*-gpdA^{mini}::palF::(HA)3::UbK48R] pacC900</i>	<i>Hervás-Aguilar et al. 2010</i>
2900	<i>pyrG89? nkuAΔ::bar pyroA4 vps4-1 pacC900</i>	<i>This study</i>
2965	<i>pyrG89? pyroA4 palC::gfp-pyrG^{Af} sltA59 vps27Δ::pyrG^{Af}</i>	<i>This study</i>
2966	<i>pyrG89? palC::gfp-pyrG^{Af} sltA59 vps27Δ::pyrG^{Af}</i>	<i>This study</i>
2967	<i>pyrG89? palC::gfp-pyrG^{Af} sltA59</i>	<i>This study</i>

Supplemental Table 1 (cont.): Strains used in this work

3007	<i>pyroA4[pyroA*-gpdA^{mini}::palF-(HA)3] pacC900 pantoB100[pantoB*-gpdA^{mini}::palH-(Myc)3]</i>	Hervás-Aguilar
3052	<i>pyrG89? pabaA1 vps4-(HA)3 pacC900?</i>	This study
3153	<i>pyrG89 pyroA4 nkuA::bar vps23::gfp-pyrG^{Af}</i>	This study
3200	<i>pyrG89? pyroA4 palC::gfp-pyrG^{Af} vps4-(HA)3</i>	This study
3201	<i>pyrG89? yA2 pabaA1 palC::gfp-pyrG^{Af} vps4-(HA)3</i>	This study
3214	<i>pyrG89? yA2 pabaA1 pyroA4 palC::gfp-pyrG^{Af} sltA58 vps23Δ::pyrG^{Af}</i>	This study
3216	<i>pyrG89? yA2, pabaA1 palC::gfp-pyrG^{Af} sltA58 vps23Δ::pyrG^{Af}</i>	This study
3217	<i>pyrG89? yA2, pabaA1 palC::gfp-pyrG^{Af} sltA58</i>	This study
3270	<i>pyrG89? nkuAΔ::bar pyroA4 vps4-1 pacC900</i>	This study
3347	<i>pyrG89? palC::gfp-pyrG^{Af} vps4-1 pacC900?</i>	This study
3348	<i>pyrG89? yA2 pyroA4 palC::gfp-pyrG^{Af} vps4-1 pacC900?</i>	This study
3367	<i>pyrG89? pantoB100 vps23::gfp-pyrG^{Af}</i>	This study
3368	<i>pyrG89? pyroA4 palF15 vps23-gfp::pyrG^{Af}</i>	This study
3369	<i>pyrG89? pyroA4 palF15 vps23-gfp::pyrG^{Af}</i>	This study
3373	<i>pyrG89? pyroA4 sltA59 vps27Δ::pyrG^{Af} vps23::gfp-pyrG^{Af}</i>	This study
3374	<i>pyrG89? sltA59 vps27Δ::pyrG^{Af} vps23::gfp-pyrG^{Af}</i>	This study
3375	<i>pyrG89? pyroA4 sltA59 vps23::gfp-pyrG^{Af}</i>	This study
3465	<i>pyrG89? pyroA4[pyroA*-gpdA^{mini}::palF-(HA)3] vps23::gfp-pyrG^{Af}</i>	This study
3935	<i>pyrG89 pyroA4[pyroA*-vps4^p::vps4-(HA)3] nkuAΔ::bar vps4-1 pacC900</i>	This study
3936	<i>pyrG89 pyroA4[pyroA*-vps4^p::vps4-(HA)3] nkuAΔ::bar pacC900</i>	This study
3973	<i>pyrG89? wA4 palA::mCherry-pyrG^{Af} inoB2 pyroA4 sltA59 vps27Δ::pyrG^{Af} vps23::gfp-pyrG^{Af}</i>	This study

Supplemental Table II, Oligonucleotides used in this work

	Oligo Sequence
palA-Primers	
cDNA & sequence analysis	
ADH7 Rev	GAAGATCTCAGCTCCTGGAG
ADH8 For	CCTAAACTCTACACCACCGC
5' cDNAPalA-NcoI	AAACCATGGCCTCAAATATCCTCCAG
3' cDNAPalA-EcoRI	AAAGAATTCATGAGAACTCATCCCCTTCG
C-terminal tagging	
palA 5' FOR	GGCCAGTCTACTATCATCGCTCAATCTCCC
palA 3' REV	TGAGAACTTCATCCCCTTCGACGGATCCC
palA::GFP FOR	GGGATCCGTCGAAGGGGATGAAGTTCTCAGGAGCTGGTGACGGCGCTGGAGCC
pyrGum::3'UTR palA REV	CAAAGCATATGTTTAGTAGCGTATTAAGGTGTCTGAGAGGAGGCACTGATGCC
3'UTR palA FOR	ACCTTAATACGCTACTAAACATATGCTTTG
palA 3'UTR REV	GATTCTCTACTTACCTTATATACCCTGACG
palC-Primers	
Deletion	
PalC5UTR5'	GCGTTGCGACCGCAGCTACG
PalC5UTR3'	GGTGACGAATGTGTAGCTTGGGTGGTTGTAG
PalC5' pyro	CTACAACCACCCAGACTACACATTCGTACCCGGACATCAGATGCTGGATTACTAAGGTAATG
PalC3' pyro	GGTAAGGGATACACAAGACCAAAATTTGGATAGCGAGTGTCTACATAATGAAGGACAAATG
PalC3UTR5'	TATCCAAATTTGGTCTTGTGTATCCCCTTACC
PalC3UTR3'	GTTAAGCCAGCCGTATCCTC
palH-Primers	
pGEX-2T tail cloning	
3' BamHI palH tail	AAAGGATCCCTATCGTTGAGAGTGGGACTCC
5' BamHI palH tail	AAAGGATCCTGGGAGTGGGTGGAACGTATC
vps4- Primers	
5' utr vps4-pyrGA.f-niiA::HA₃::vps4 & vps4 plasmids	
XhoI 5UTRvps4-5	AAACTCGAGCTGTTGTTGATCTGACTCTGG
PstI 5UTRvps4-3	AAACTGCACTCTCGCTATATTTATCCAAGCGC
SpeI-niiA	CACTAGTTGTGAGAGTATGGGATAGG
3-niiA	GATGGCGGGCGCGGTGATTGAGC
niiA-HA-fusion	GCTCAATCACCGCGCCGCCATCATGGCCGATCTTTTACCACATGATG
HA-ORFvps4-fusion	CGGCCAAGGAAGTCGGTATTGCTCATCTGAGCAGCGTAATCTGGAACGTCATATG
5secniiA	GAACTGGGAACTGTCCAGAATATG
3secniiA	CATATTTCTGGACAGTCCCGATTTC
5-ORFvps4	ATGAGCAATACCGACTTCCTTGG
NotI 3-ORFvps4	GCGGCCGCACTCGTCTGGAATCTTCGGC
5secVps4	GTGCGAAGGAGGCGCTGAAGG
3secVps4	CCTTCAGCGCCTCCTTCGCAC
5' Vps4+niiA tail	CCTGTCTCAATCACCGCGCCGCCATCATGATGAGCAATACCGACTTCCTTGGC
3nii+vps4tail	GCCAAGGAAGTCGGTATTGCTCATGATGGCGGGCGGGTATTGAGCAGGG
vps23- Primers	
cDNA and pGEX-2T cloning	
3' EcoRI-Vps23	GAATTCTAGTATTCTCTAGGCCCATACC
5' BamHI-vps23	GGATCCATGGCGTCAGTCCCACAGAGGAC
cDNA Vps23 sequence analysis	
5' exonII	GATCACTACGACCCCAAGCAAACATATC
3' exonII	TGTAGACTGCGGTTTCAGGGGCAAG
5' exonIV	CGCTCTTCCCTCTTGACCTTCTGTC
3' exonIV	GAGAGCTTTGGAGACGGCCTG
pGEX-2T Vps23-UEV cloning	
5' UEV-vps23	AAAGGATCCAGCGTTCTGATCAGGGATCACTACGAC
3' UEV-vps23	AAAGAATTTCTGTTTGTACTTGTACGGGAGG
C-terminal tagging	
5' Vps23	GCTACCTCCATTACCACCGAAGG
3' Vps23	GTATTCCTCTAGGCCCATACCCCTTG
5' Vps23tag	GGCAAGGGTATGGCCCTAGAGGAATACGGAGCTGGTGACGGCGCTGGAGCCGG
3' Vps23tag	GTCTATAGATCAATGCGAACAAAAGCACGGTCTGAGAGGAGGCACTGATGCGTG
5' Vps23-UTR	CGTGCTTTTGTTCGATTGATCTATAG
3' Vps23-UTR	CGCTGAGACACCAATATCAGCCAG
sItA & vps32 sequencing	
5' sItA54	GCTGGGACCTTGCCCCCTC
3' sItA54	CAGCGCAATGTAGCCAAC
5' UTR-Vps32	GTGAAAGACTCAAGTCGTCTACC
3' UTR-Vps32	CCCTGTTTCATCATATGTGTAGGG
Fup-Vps32	GTCTCCAAGACAGCATTGACG
Rdown-Vps32	GTCCCAATCCTAAACATCC