

S1 Table. *Saccharomyces cerevisiae* strains

Strain	Genotype*	Source
BR1919-2N	<i>MATa/MATα leu2-3,112 his4-260 thr1-4 trp1-289 ura3-1 ade2-1</i>	Roeder Lab
DP421	BR1919-2N <i>lys2ΔNheI</i>	PSS Lab
DP422	DP421 <i>zip1Δ::LYS2</i>	PSS Lab
DP424	DP421 <i>ndt80Δ::LEU2</i>	PSS Lab
DP428	DP421 <i>zip1Δ::LYS2 ndt80Δ::LEU2</i>	PSS Lab
DP881	DP421 <i>zip1Δ::LYS2 pch2Δ::TRP1 ndt80Δ::LEU2</i>	PSS Lab
DP1023	DP421 <i>pch2Δ::TRP1</i>	PSS Lab
DP1029	DP421 <i>zip1Δ::LYS2 pch2Δ::TRP1</i>	PSS Lab
DP1058	DP421 <i>pch2Δ::TRP1 ndt80Δ::LEU2</i>	PSS Lab
DP1151	BR1919-2N <i>3HA-PCH2</i>	PSS Lab
DP1152	BR1919-2N <i>zip1Δ::LEU2 3HA-PCH2</i>	PSS Lab
DP1161	BR1919-2N <i>zip1Δ::LEU2 pch2Δ::TRP1</i>	PSS Lab
DP1164	BR1919-2N <i>pch2Δ::TRP1</i>	PSS Lab
DP1405	DP421 <i>zip1Δ::LEU2 pch2Δ::URA3</i>	PSS Lab
DP1500	DP421 <i>zip1Δ::LYS2 HOP1-mCherry::natMX4/HOP1</i>	PSS Lab
DP1523	DP421 <i>spo11Δ::ADE2</i>	PSS Lab
DP1620	BR1919-2N <i>P_{HOP1}-GFP-PCH2</i>	This work
DP1621	BR1919-2N <i>zip1Δ::LEU2 P_{HOP1}-GFP-PCH2</i>	This work
DP1624	BR1919-2N <i>P_{HOP1}-GFP-PCH2/pch2Δ::TRP1</i>	This work
DP1625	BR1919-2N <i>zip1Δ::LEU2 P_{HOP1}-GFP-PCH2/pch2Δ::TRP1</i>	This work
DP1630	BR1919-2N <i>zip1Δ::LEU2 P_{HOP1}-GFP-PCH2 orc1-3mAID::hphNT P_{HOP1}-OsTIR1::URA3 ndt80Δ::kanMX3</i>	This work
DP1633	BR1919-2N <i>zip1Δ::LEU2 P_{HOP1}-GFP-PCH2 orc1-3mAID::hphNT P_{HOP1}-OsTIR1::URA3 HOP1-mCherry::natMX4/HOP1</i>	This work
DP1636	BR1919-2N <i>zip1Δ::LEU2 P_{HOP1}-GFP-PCH2 HOP1-mCherry::natMX4/HOP1</i>	This work
DP1640	BR1919-2N <i>zip1Δ::LEU2 P_{HOP1}-GFP-PCH2 ndt80Δ::kanMX3 lys2/LYS2</i>	This work
DP1644	BR1919-2N <i>zip1Δ::LEU2 P_{HOP1}-GFP-PCH2/pch2Δ::TRP1 orc1-3mAID::hphNT P_{HOP1}-OsTIR1::URA3</i>	This work
DP1650	BR1919-2N <i>P_{HOP1}-GFP-PCH2/pch2Δ::TRP1 HOP1-mCherry::natMX4/HOP1</i>	This work

DP1651	BR1919-2N <i>zip1Δ::LEU2 P_{HOP1}-GFP-PCH2/pch2Δ::TRP1 HOP1-mCherry::natMX4/HOP1</i>	This work
DP1654	BR1919-2N <i>P_{HOP1}-GFP-PCH2/pch2Δ::TRP1 ndt80Δ::kanMX3</i>	This work
DP1655	BR1919-2N <i>zip1Δ::LEU2 P_{HOP1}-GFP-PCH2/pch2Δ::TRP1 ndt80Δ::kanMX3 lys2/LYS2</i>	This work
DP1669	DP421 <i>P_{HOP1}-GFP-NES-PCH2</i>	This work
DP1670	DP421 <i>zip1Δ::LYS2 P_{HOP1}-GFP-NES-PCH2</i>	This work
DP1685	DP421 <i>P_{HOP1}-GFP-NES-PCH2/pch2Δ::TRP1</i>	This work
DP1686	DP421 <i>zip1Δ::LYS2 P_{HOP1}-GFP-NES-PCH2/pch2Δ::TRP1</i>	This work
DP1687	DP421 <i>P_{HOP1}-GFP-NES-PCH2/pch2Δ::TRP1 HOP1-mCherry::natMX4/HOP1</i>	This work
DP1688	DP421 <i>zip1Δ::LYS2 P_{HOP1}-GFP-NES-PCH2/pch2Δ::TRP1 HOP1-mCherry::natMX4/HOP1</i>	This work
DP1695	DP421 <i>P_{HOP1}-GFP-NLS-PCH2</i>	This work
DP1696	DP421 <i>zip1Δ::LYS2 P_{HOP1}-GFP-NLS-PCH2</i>	This work
DP1697	DP421 <i>P_{HOP1}-GFP-NLS-PCH2 HOP1-mCherry::natMX4/HOP1</i>	This work
DP1698	DP421 <i>zip1Δ::LYS2 P_{HOP1}-GFP-NLS-PCH2 HOP1-mCherry::natMX4/HOP1</i>	This work
DP1699	DP421 <i>P_{HOP1}-GFP-NLS-PCH2/pch2Δ::TRP1</i>	This work
DP1700	DP421 <i>P_{HOP1}-GFP-NLS-PCH2/pch2Δ::TRP1 HOP1-mCherry::natMX4/HOP1</i>	This work
DP1701	DP421 <i>zip1Δ::LYS2 P_{HOP1}-GFP-NLS-PCH2/pch2Δ::TRP1</i>	This work
DP1702	DP421 <i>zip1Δ::LYS2 P_{HOP1}-GFP-NLS-PCH2/pch2Δ::TRP1 HOP1-mCherry::natMX4/HOP1</i>	This work
DP1723	BR1919-2N <i>3HA-PCH2 nup2Δ::hphMX4</i>	This work
DP1724	BR1919-2N <i>zip1Δ::LEU2 3HA-PCH2 nup2Δ::hphMX4</i>	This work
DP1725	DP421 <i>P_{HOP1}-GFP-NES-PCH2/pch2Δ::TRP1 ndt80Δ::kanMX6</i>	This work
DP1726	DP421 <i>zip1Δ::LYS2 P_{HOP1}-GFP-NES-PCH2/pch2Δ::TRP1 ndt80Δ::kanMX6</i>	This work
DP1729	DP421 <i>P_{HOP1}-GFP-NLS-PCH2/pch2Δ::TRP1 ndt80Δ::kanMX6</i>	This work
DP1730	DP421 <i>zip1Δ::LYS2 P_{HOP1}-GFP-NLS-PCH2/pch2Δ::TRP1 ndt80Δ::kanMX6</i>	This work
DP1734	DP421 <i>zip1Δ::LYS2 P_{HOP1}-GFP-PCH2/pch2Δ::TRP1 dot1Δ::URA3</i>	This work
DP1744	BR1919-2N <i>P_{HOP1}-GFP-PCH2/pch2Δ::TRP1 nup2Δ::hphMX4</i>	This work
DP1745	BR1919-2N <i>zip1Δ::LEU2 P_{HOP1}-GFP-PCH2/pch2Δ::TRP1 nup2Δ::hphMX4</i>	This work
DP1746	BR1919-2N <i>zip1Δ::LEU2 P_{HOP1}-GFP-PCH2/pch2Δ::TRP1 orcl-3mAID::hphNT P_{HOP1}-OsTIR1::URA3 dot1Δ::kanMX6</i>	This work

DP1747	DP421 <i>zip1Δ::LYS2 P_{HOP1}-GFP-NES-PCH2/pch2Δ::TRP1 dot1Δ::kanMX6</i>	This work
DP1768	DP421 <i>P_{HOP1}-GFP-NLS-PCH2 ndt80Δ::kanMX6</i>	This work
DP1769	DP421 <i>zip1Δ::LYS2 P_{HOP1}-GFP-NLS-PCH2 ndt80Δ::kanMX6</i>	This work
DP1787	DP421 <i>spo11-3HA-6His::kanMX4 pch2Δ::TRP1</i>	This work
DP1789	DP421 <i>spo11-3HA-6His::kanMX4 P_{HOP1}-GFP-PCH2/pch2Δ::TRP1</i>	This work
DP1791	DP421 <i>spo11-3HA-6His::kanMX4 P_{HOP1}-GFP-NES-PCH2/pch2Δ::TRP1</i>	This work
DP1792	DP421 <i>spo11-3HA-6His::kanMX4 P_{HOP1}-GFP-NLS-PCH2</i>	This work
DP1793	DP421 <i>spo11-3HA-6His::kanMX4 P_{HOP1}-GFP-NLS-PCH2/pch2Δ::TRP1</i>	This work
DP1795	DP421 <i>PIL1-GBP-mCherry::hphMX6 P_{HOP1}-GFP-NES-PCH2/pch2Δ::TRP1</i>	This work
DP1796	DP421 <i>zip1Δ::LYS2 PIL1-GBP-mCherry::hphMX6 P_{HOP1}-GFP-NES-PCH2/pch2Δ::TRP1</i>	This work
DP1797	BR1919-2N <i>PIL1-GBP-mCherry::hphMX6 P_{HOP1}-GFP-PCH2/pch2Δ::TRP1 LYS2/lys2</i>	This work
DP1802	DP421 <i>PIL1-GBP-mCherry::hphMX6 3HA-PCH2</i>	This work
DP1803	DP421 <i>zip1Δ::LEU2 PIL1-GBP-mCherry::hphMX6 3HA-PCH2</i>	This work
DP1811	DP421 <i>PIL1-GBP-mCherry::hphMX6 P_{HOP1}-GFP-NES-PCH2/pch2Δ::TRP1 mek1Δ::natMX4</i>	This work
DP1812	DP421 <i>zip1Δ::LYS2 PIL1-GBP-mCherry::hphMX6 P_{HOP1}-GFP-NES-PCH2/pch2Δ::TRP1 mek1Δ::natMX4</i>	This work
DP1813	BR1919-2N <i>PIL1-GBP-mCherry::hphMX6 P_{HOP1}-GFP-PCH2/pch2Δ::TRP1 mek1Δ::natMX4 LYS2/lys2</i>	This work
DP1846	DP421 <i>PIL1-GBP-mCherry::hphMX6 P_{HOP1}-GFP-NES-PCH2/pch2Δ::TRP1 spo11Δ::natMX4</i>	This work
DP1847	DP421 <i>zip1Δ::LYS2 PIL1-GBP-mCherry::hphMX6 P_{HOP1}-GFP-NES-PCH2/pch2Δ::TRP1 spo11Δ::natMX4</i>	This work

*All strains are diploids isogenic to BR1919 and, unless specified, homozygous for the indicated markers. DP421 is a *lys2* version of the original BR1919-2N.