

Table S1. Plasmids used in this study

Plasmid	Description	<i>E. coli</i> marker	Yeast marker
Tn7 donor plasmids			
pRZ49	Tn7-mEOS2 donor vector	Kan	n/a
pRZ98	Tn7-biotin-donor vector	Kan	n/a
pRZ99	Tn7-6His donor vector	Kan	n/a
pRZ101	Tn7-FLAG donor vector	Kan	n/a
pRZ102	Tn7-HA donor vector	Kan	n/a
pRZ103	Tn7-myc donor vector	Kan	n/a
pRZ106	Tn7-GFP donor vector	Kan	n/a
DCW1 plasmids			
-	pCU- <i>DCW1</i>	Amp	<i>URA3</i>
-	<i>DCW1</i> entry vector	Kan	n/a
pRZ159	empty <i>DCW1</i> destination vector	Amp	<i>HIS1</i>
pRZ160	wild type <i>DCW1</i> expression vector	Amp	<i>HIS1</i>
pRZ165	Dcw1-FLAG ₅	Amp	<i>HIS1</i>
pRZ166	Dcw1-FLAG ₆	Amp	<i>HIS1</i>
pRZ172	Dcw1-FLAG ₁₁	Amp	<i>HIS1</i>
pRZ173	Dcw1-FLAG ₂₄	Amp	<i>HIS1</i>
pRZ174	Dcw1-FLAG ₂₂₆	Amp	<i>HIS1</i>
pRZ175	Dcw1-FLAG ₂₂₈	Amp	<i>HIS1</i>
pRZ167	Dcw1-FLAG ₂₂₉	Amp	<i>HIS1</i>
pRZ168	Dcw1-FLAG ₂₉₈	Amp	<i>HIS1</i>
pRZ176	Dcw1-FLAG ₂₉₉	Amp	<i>HIS1</i>
pRZ177	Dcw1-FLAG ₃₀₃	Amp	<i>HIS1</i>
pBC715	Dcw1-HA ₂₆	Amp	<i>HIS1</i>
SIR3 plasmids			
pRZ6	<i>SIR3</i> entry vector	Kan	n/a
pBB8	empty <i>SIR3</i> destination vector	Amp	Nat ^R
pRZ47	wild type <i>SIR3</i> expression vector	Amp	Nat ^R
pRZ120	Sir3-GFP ₂₄₆	Amp	Nat ^R
pRZ121	Sir3-GFP ₃₅₁	Amp	Nat ^R
pRZ122	Sir3-GFP ₅₇₅	Amp	Nat ^R
pRZ124	Sir3-GFP ₇₇₁	Amp	Nat ^R
pRZ127	Sir3-GFP ₇₉₆	Amp	Nat ^R
pRZ130	Sir3-GFP ₈₅₇	Amp	Nat ^R
pRZ131	Sir3-GFP ₈₉₄	Amp	Nat ^R
pRZ133	Sir3-GFP ₉₇₇	Amp	Nat ^R