

Table S1 Primers for strain construction and confirmation

Purpose	Primer	Sequence (5' to 3')
<i>car-1^Δ::hph</i> confirmation	NCU03366del-F	CTTCCCAGCATTTGATAAAAAGTGG
	NCU03366del-R	GGAAATGGCTTTGCGTGTAGAAAC
<i>cgh-1^Δ::hph</i> confirmation	NCU06149-447611F	GTAGCCTCCCGAACGAACACCAAACATAG
	NCU06149-452052R	GTACACATTCATGGATCTGACCGTGCTG
<i>gfp/yfpc-car-1</i> construction	NCU03366-E	CTTCCCAGCATTTGATAAAAAGTGG
	NCU03366-NGFP1	GCAGCCTGAATGGCGAATGGACGCGCGTTTTCAATCGAGCCGAAAATGAAG
	NCU03366-NGFP2	CAGGAGCGGGTGC GGGTGC TGGAGCGATGTCTGAATTCCCTGGGTATG
	NCU03366-F	CATTGTTTAGAGACGCAGCAGTGG
	NCU03366-G	CTCTCATCGGCTTTGAGGTTGTTT
<i>gfp/mCherry/yfpc-cgh-1</i> construction	NCU03366-H	AGGCGTAGACGGCTTCTTATCACC ^a
	NCU06149-E	GCTAAAGGGGGAGCTAAGGGGTAT
	NCU06149-NGFP1	GCAGCCTGAATGGCGAATGGACGCGCGGTGTGTGTAGCGAAATGGACAAG
	NCU06149-NGFP2	CAGGAGCGGGTGC GGGTGC TGGAGCGATGTCCGACCAACTAGCGGATCAG
	NCU06149-F	CAATAGGCTTGAAGGTCGAGATGG
	NCU06149-G	CAGTGAAGAGACGGGCATGATGTA
	NCU06149-H	ATCGCGCTCAATGTTGTAAAGGTT
<i>mCherry-dcap-2</i> construction	NCU07889-E	GATCATCCAGGTACCACAAGAGCT
	NCU07889-NGFP1	GCAGCCTGAATGGCGAATGGACGCGCGTTTTGTAGTGC GGGATGATGATCG
	NCU07889-F	GGTAAAGTCAGATCCAGAGGCGTAT
	NCU07889-NGFP2	CAGGAGCGGGTGC GGGTGC TGGAGCGATGACCGAATCGCAGCTGAAAAC
	NCU07889-G	GTCAACCGTGCCAAAGTTACCTTAC
<i>r^Δ::hph</i> confirmation	NCU07889-H	CTTCTTCAAGAGTGCCATCAACGC
	RSP-988505F	GCCACCTTTCCAACCAATAATGC
	RSP-993102R	TGCCTTTTCAGCTGGAGACCAAGAC
<i>sad-5^Δ::hph</i> confirmation	NCU06147-438124F	GACCATGGCCACGACTACAGCTAC
	NCU06147-442142R	ATATGAGACCTGCGCGCTAGCCAAC
<i>yfpc/yfpc-dcl-1</i> construction	DCL-1-E	CCCCGATAGTCCCATTACCCAATTC
	DCL-1-NGFP1	GCAGCCTGAATGGCGAATGGACGCGCAAGTGACAGACTGCTGTCGGGAATG
	DCL-1-NGFP2	CAGGAGCGGGTGC GGGTGC TGGAGCGATGGCCGTAGCCACTCGGCTACCCCTT
	DCL-1-F	GACTTCTGCTGCAATGCTGGGTATG
	DCL-1-G	GCTGGACCCAAAGGGCTTTGTTATT
	DCL-1-H	TCGACCACGAACGTATTCAACAACC
<i>yfpc/yfpc-qip</i> construction	QIP-E	CGGAAGCAAGTGCAACTCAAGA
	QIP-NGFP1	GCAGCCTGAATGGCGAATGGACGCGCGAGCGATAGTTCCGGTTAGGAGTG
	QIP-NGFP2	CAGGAGCGGGTGC GGGTGC TGGAGCGATGGAGGACGAGCAGTTCATGC
	QIP-F	GACGCGAATATGTCGTGCTTTG
	QIP-G	GATGATAGGGCTTTTCGGCTTTG
<i>yfpc/yfpc-sad-1</i> construction	QIP-H	TGATGATGCTTTGGTCCAGTTCA
	SAD-1-E	AACCCCTGCTTTGACTGGATGC
	SAD-1-NGFP1	GCAGCCTGAATGGCGAATGGACGCGCGCTGGTATGAAGGGTAATGGGGAAG
	SAD-1-NGFP2	CAGGAGCGGGTGC GGGTGC TGGAGCGATGTGAGGAAATACCCAACCTGG
	SAD-1-F	TCCAGGACCGTGAGGAGACTTG
<i>yfpc/yfpc-sad-2</i> construction	SAD-1-G	GCTTCAGTTTCGAGGCCATAG
	SAD-1-H	GCGAAACTGGGTTTTTGTGTC
	SAD-2-E	GATACCCGTGATGATTCTGATGA
	SAD-2-NGFP1	GCAGCCTGAATGGCGAATGGACGCGCGAACCCTGGACTGGATAGC
	SAD-2-NGFP2	CAGGAGCGGGTGC GGGTGC TGGAGCGATGACGGACCGGACCAAGAATGG
	SAD-2-F	CAGCACGAAGACGGGTGAGTGT
<i>yfpc/yfpc-sms-2</i> construction	SAD-2-G	TGTATCCGCAACCTGTA AAAAGTCGTCA
	SAD-2-H	CCGGCGAAAGTGAGAAGATTCA
	SMS-2-E	GTCCACTTGGTGCCATTCCCACT
	SMS-2-NGFP1	GCAGCCTGAATGGCGAATGGACGCGCGGAGGGTGTCAAACTCACAA
	SMS-2-NGFP2	CAGGAGCGGGTGC GGGTGC TGGAGCGATGTCTGCTCCTGGCTCTCCC
	SMS-2-F	GTGCCATTCTGCTGCTTCCAGTT
	SMS-2-G	CACTTGCCTACCACGCCATGATT
	SMS-2-H	TGCTCAAACCGCGTAATTGTTG

Primers for DJ-PCR-based fluorescent tagging were designed as previously described (Hammond *et al.* 2011b; Boone *et al.* 2020).