

**S2 Table. Oligonucleotides used in the construction of the ZFP-sRNA inverter plasmids.** Here “for” denotes a forward primer, “rev” denotes a reverse primer, and “RTH” indicates use in Round-the-horn site-directed mutagenesis. Bases highlighted in bold font indicate the specific regions being changed.

Name	Description	Sequence
o4-63	ZFP swap pJH4-40vec for (to op-18)	cctatcagctgctgcttcttctatt <b>gggagatagtgggagag</b> ttgacaattaatcatcgg
o4-69	ZFP swap pJH4-40vec for (to op-30)	cctatcagctgctgcttcttctatt <b>tagtgggaaggaatgggag</b> ttgacaattaatcatcgg
o4-64	ZFP swap pJH4-40vec rev (RBS AAAGGA)	cctggtccagcatagatcctatcctttagatc
o4-65	ZFP pWH16-56/57 for	tagccggttgtaaggatctaaaggataggatctatgctggaaccaggatc
o4-66	ZFP pWH16-56/57 rev	gctggagatccttactcgagtttgatccttattaagaggtttagatc
o4-67	ZFP swap pJH4-40 term spacer for	ggatccaaactcgagtaaggatctccaggc
o4-68	ZFP swap pJH4-40 term spacer rev	atagaaagcacgcagctgatagggtcga
o7-45	RTH s04/s05 RBS for	<b>nn</b> agacaacaagatgtgcgaactcgatgctggaac
o2-14	RTH s04 RBS rev	ttattgattttggcatggagaaacagtagag
o7-74	RTH s05 RBS rev	ttattgattttacgatggagaaacagtagag
o3-42	vec sLS RBS lib rev	agatccttacaaccggctattagagtagc
o3-43	vec sLS RBS lib for	aggatctatgctggaaccaggatc
o9-23	sLS RBS lib	gatcctggttccagcatagatcct <b>annyyyy</b> agatccttacaaccggctattagagtagc
o7-24	RTH op rev	atagaaagcacgcagctgatagggtcga
o7-25	RTH op-3 for (RPL-83)	<b>gagaggaagggagagg</b> ttgacaattaatcatcggctcataacc
o7-81	RTH op-18 for (RPL-83)	<b>tgggagatagtgggagag</b> ttgacaattaatcatcggctcataacc
o7-80	RTH op-30 for (RPL-83)	<b>tagtgggaaggaatgggag</b> ttgacaattaatcatcggctcataacc
o9-24	RTH RPL-83 to 69 for	tgtggaacaattcattaagaggagaaaggtac
o9-25	RTH RPL-83 to 69 rev (op-18)	taccctacgagccgatgattaattgtcaactctcc
o6-19	vec pWH39-29 for	ggatcctaactcgagtaaggatctccaggca
o6-20	vec pWH39-29 rev (pJ23108)	gctagcattatacctaggactgagctagctgtcaga
o6-21	a04 from VKM40 for	agctcagctcaggtataatgctagctcgacatcttgttctgatta
o6-22	a04 from VKM40 rev	gagatccttactcgagttaggatccctgatgaatcccctaatgatttg
o6-34	RTH a04/a05 rev	aaatcaataatcagacaacaagatgtgca
o6-35	RTH a05 for	<b>tacg</b> cgaaaccatttgatcatatgacaagatgtg
o1-6	RTH to pJ23118 for	cggtagctcagtcctaggtattgtgctagctcgacatcttgttctg
o6-49	RTH to pJ23118 rev	tcaaacgtgccagatcttagaattcgatatctg
o6-23	RTH to s04/s05 for	caacaagatgtgcgaactcgatgctggaaccaggatc
o6-24	RTH to s04 rev (RBS TC)	tct <b>gattattgattttg</b> catggagaaacagtagagagttgc
o6-37	RTH to s05 rev (RBS TC)	tct <b>gattattgattttac</b> gcatggagaaacagtagagagttgc