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Supporting Information

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Tools for Fungal Proteomics: Multifunctional Neurospora Vectors for Gene Replacement, Protein Expression and Protein Purification

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TABLE S1***Neurospora crassa* strains used in this study**

Strain	Genotype	Reference
N623	<i>mat A his-3</i>	FGSC#6103
N1877	<i>mat a his-3; Δdim-2::hph⁺</i>	Kouzmanova & Selker (2001)
N2556	<i>mat a his-3; hpo^{RIP2}</i>	Freitag et al. (2004a)
N2930	<i>mat A his-3 Δmus-52::bar⁺</i>	Honda & Selker (2008)
N3322	<i>mat A his-3; hpo-gfp::loxP::hph⁺::loxP</i>	Honda & Selker (2008)
N3323	<i>mat a his-3; dim-2-3xFLAG::loxP::hph⁺::loxP</i>	Honda & Selker (2008)
N3324	<i>mat A his-3; dim-2-3xFLAG::loxP::hph⁺::loxP</i>	Honda & Selker (2008)
N3278	<i>mat a +his-3⁺::P_{hpo}::hpo-HAT-FLAG; hpo^{RIP2}</i>	this study
N3395	<i>mat a his-3; hpo^{RIP2}; dim-2-3xFLAG::loxP::hph⁺::loxP</i>	Honda & Selker (2008)
N3396	<i>mat a his-3; Δdim-2::hph⁺; hpo-gfp::loxP::hph⁺::loxP</i>	Honda & Selker (2008)
N3415	<i>mat a his-3⁺::P_{dim-2}::dim-2-3xFLAG; Δdim-2::hph⁺; hpo-gfp::loxP::hph⁺::loxP</i>	Honda & Selker (2008)
N3418	<i>mat a his-3⁺::P_{hpo}::hpo-gfp; hpo^{RIP2}; dim-2-3xFLAG::loxP::hph⁺::loxP</i>	Honda & Selker (2008)
N3491	<i>mat a his-3; dim-2-3xFLAG::loxP::hph⁺::loxP; hpo-gfp::loxP::hph⁺::loxP</i>	this study
N3684	<i>mat a +his-3⁺::P_{ceg-1}::cre⁺; hpo-gfp::loxP</i>	this study
N3686	<i>mat a his-3; hpo-gfp::loxP</i>	this study

TABLE S2

Primers used in this study

Primer	Sequence
#1517	5'-GCTCTAGATCGTTATCAGCCAAGCCATG-3'
#1518	5'-CGTTAATTAACAACCTTGACAATCGTCATG-3'
#1790	5'-GGAATTCGGCGGAGGCGGCGGAGGCGGAGGCGGAGGCTTAATTAAGCTTGGG-3'
#1791	5'-CCCAAGCTTTTAATTAAGCCTCCGCCTCCGCCTCCGCCCTCCGCCGAATTCC-3'
#1938	5'-CCTTAATTAAGGGCGGAGGCGGCGGAGGCG-3'
#1939	5'-CCTTAATTAAGAAGGATCATCTCATCCACA-3'
#1940	5'-GGCGCGCCTACTTGTGTCATCGTCTTTGTAGTCGCCTCCGCCTCCGCCCTTGT-3'
#1946	5'-GACTAGTTAATTAATGGCGCGCCGCCTCCGCCGCCCTTGTGTGGGCATG-3'
#1953	5'-CGGGATCCTTTGGTTGATGTGAGGGGTTG-3'
#1954	5'-GGAATTCGTTCAAAGCCACATCAC-3'
#1967	5'-CGGGATCCATGGACTACAAAGACGATGACGACAAGGGCGGAGGCTTAATCGGCTT-3'
#1970	5'-ATAAGAATGCGGCCCGAGTCCGCAACAGGAAG-3'
#1976	5'-CGGGATCCATAACTTCGTATAGCATACATTATACGAAGTTATCCCGGTCCGCATCTACTCTA-3'
#1977	5'-GACTAGTCGACAGAAGATGATATTG-3'
#1978	5'-GCTCTAGAATAACTTCGTATAGCATACATTATACGAAGTTATCGATAAGCTTGATATCGAAT-3'
#1979	5'-CCGCTCGAGGCGGAGGCGGCGGAGGCGG-3'
#1988	5'-GAGGTTCGACGGTATCGATAAGCTTGATATATCAAGGCCCTGGAACAACGG-3'
#1989	5'-TGCTATACGAAGTTATGGATCCGAGCTCGTGCGACGAGGTAACGCCATG-3'
#1990	5'-ACCGCGGTGGCGGCCGCTCTAGAAGTACTAGTACAAGACCGGCAACCATCTG-3'
#1992	5'-GAGGTTCGACGGTATCGATAAGCTTGATATCATCCAAACAAAAGTCGAGG-3'
#1993	5'-CCTCCGCCTCCGCCTCCGCCCTCCGCCCTCCGCCCCACAGATAGCCTCTGCACTTG-3'
#1994	5'-TGCTATACGAAGTTATGGATCCGAGCTCGTGGGGGAAGATGTTAACTCAC-3'
#1995	5'-ACCGCGGTGGCGGCCGCTCTAGAAGTACTAGTATCATGGCAACCTAGCCAGG-3'
#1996	5'-GAGGTTCGACGGTATCGATAAGCTTGATATTACAGCGCAACACTTCGTCG-3'
#1997	5'-CCTCCGCCTCCGCCTCCGCCCTCCGCCCTTTCGAGACGCTGCCCTCGC-3'
#1998	5'-TGCTATACGAAGTTATGGATCCGAGCTCGAAGACCGAGGTAGCACTTCTC-3'
#1999	5'-ACCGCGGTGGCGGCCGCTCTAGAAGTACTAGTGTGATGTGCCGAATTCGCTC-3'
#2013	5'-CCTCCGCCTCCGCCTCCGCCCTCCGCCCAACTTGACAATCGTCATGC-3'
#2014	5'-TCCCCGGGTTAATTAAGACTACAAAGACCATGACGG-3'
#2015	5'-GGAATTCAGGTTGTCTTCCCAACTTGC-3'
#2036	5'-ATCGATCGGCTTGAAGGATCATCTCATC-3'
#2037	5'-CCGCTCGAGTTAATTAAGCCTCCGCCTCCGCCCTTGTGTGGGCATGAGCGT-3'
#2040	5'-CGGGATCCACACCTCGCTGGGTCTCAG-3'
#2041	5'-CCGCAATTGTTGCGAGACGCTGCCCTCGC-3'
#2066	5'-ATAAGAATGCGGCCGCACACCTCGCTGGGTCTCAGC-3'
#2067	5'-CGGGATCCACTTGTACAGCTCGTCCATGC-3'
#2084	5'-CCTTAATTAAGGGCGGAGGCGGCGGAGGCGGAGGCGGAGGCGGACTACAAAGACCATGACGG-3'

#2085 5'-CCTTAATTAAGGGCGGAGGCGGCGGAGGCGGAGGCGGAGGCATGGTGAGCAAGGGCGAGG-3'
#2086 5'-ATAAGCTTGATATCGAATTC-3'
#2087 5'-GCTCTAGATTGGCTGATAACGAACTAGC-3'
#2341 5'-CGGGATCCATGGACTACAAAGACCATGA-3'
#2342 5'-AGGCGCGCCGCCTCCGCCGCCTCCGCCGCCCTTGTCATCGTCATCCTTGT-3'
#2343 5'-CGGGATCCATGGTGAGCAAGGGCGAGGA-3'
#2344 5'-AGGCGCGCCGCCTCCGCCGCCTCCGCCGCCCTTGTTACAGCTCGTCCATGC-3'
#2345 5'-CGGGATCCATGGAACAAAAGTTGATTTTC-3'
#2346 5'-AGGCGCGCCGCCTCCGCCGCCTCCGCCGCCATTGATTAATTTTTGTTTCAC-3'
#2347 5'-AAGATCTATGATCTTTTACCCATACGATGT-3'
#2348 5'-AGGCGCGCCGCCTCCGCCGCCTCCGCCGCCAGCGTAATCTGGAACGTCAT-3'
#2459 5'-GCTCTAGAATGGGCCCAAAGAAGAAGAG-3'
#2460 5'-AGAATTCGATATCAAGCTGG-3'5
