

**Table S1. *A. nidulans* strains used for heterologous expression of NR-PKSs from *A. terreus*.**

	Fungal strain or transformant(s)	<i>alcA</i> promoter replaced gene	genotypes
FGSC A1896	LO4388, LO4389, LO4390	None	<i>pyrG89; pyroA4; nkuA::argB; riboB2; stcA-WΔ</i>
FGSC A1897	LO4522, LO4524	ATEG_00145.1	<i>pyrG89; pyroA4; nkuA::argB; riboB2; stcA-WΔ; wA::AfpyrG; alcA(p)-ATEG_00145.1; AfriboB</i>
FGSC A1898	LO4532, LO4533, LO4534	ATEG_07500.1	<i>pyrG89; pyroA4; nkuA::argB; riboB2; stcA-WΔ; wA::AfpyrG; alcA(p)-ATEG_07500.1; AfriboB</i>
FGSC A1899	LO5977, LO5978, LO5979	ATEG_07500.1*	<i>pyrG89; pyroA4; nkuA::argB; riboB2; stcA-WΔ; wA::AfpyrG; alcA(p)-ATEG_07500.1*; AfriboB</i>
FGSC A1900	LO4537, LO4538, LO4539	ATEG_08451.1	<i>pyrG89; pyroA4; nkuA::argB; riboB2; stcA-WΔ; wA::AfpyrG; alcA(p)-ATEG_08451.1; AfriboB</i>
FGSC A1901	LO4583, LO4587, LO4588, LO4591, LO4593, LO4595, LO4596, LO4597	ATEG_08451.1 ATEG_08450.1	<i>pyrG89; pyroA4; nkuA::argB; riboB2; stcA-WΔ; wA::AfpyrG; alcA(p)-ATEG_08451.1; AlcA(p)-ATEG_08450.1-AfpyrA</i>
FGSC A1902	LO5088, LO5089, LO5090	ATEG_02434.1	<i>pyrG89; pyroA4; nkuA::argB; riboB2; stcA-WΔ; wA::AfpyrG; alcA(p)-ATEG_02434.1; AfriboB</i>
FGSC A1903	LO6243, LO6244, LO6249, LO6250, LO6253, LO6254	ATEG_02434.1 ATEG_02438.1	<i>pyrG89; pyroA4; nkuA::argB; riboB2; stcA-WΔ; wA::AfpyrG; alcA(p)-ATEG_02434.1; alcA(p)-ATEG_02438.1; AfpyrA</i>
FGSC A1904	LO6169, LO6170, LO6171	ATEG_02434.1*	<i>pyrG89; pyroA4; nkuA::argB; riboB2; stcA-WΔ; wA::AfpyrG; alcA(p)-ATEG_02434.1*; AfriboB</i>
FGSC A1905	LO6214, LO6215, LO6223, LO6229, LO6230	ATEG_02434.1* ATEG_02438.1	<i>pyrG89; pyroA4; nkuA::argB; riboB2; stcA-WΔ; wA::AfpyrG; alcA(p)-ATEG_02434.1*; alcA(p)-ATEG_02438.1; AfpyrA</i>
FGSC A1906	LO4547, LO4548, LO4549	ATEG_10080.1	<i>pyrG89; pyroA4; nkuA::argB; riboB2; stcA-WΔ; wA::AfpyrG; alcA(p)-ATEG_10080.1; AfriboB</i>
FGSC A1907	LO5408, LO5483, LO5485	ATEG_10080.1*	<i>pyrG89; pyroA4; nkuA::argB; riboB2; stcA-WΔ; wA::AfpyrG; alcA(p)-ATEG_10080.1*; AfriboB</i>
FGSC A1908	LO4527, LO4528, LO4529	ATEG_03629.1	<i>pyrG89; pyroA4; nkuA::argB; riboB2; stcA-WΔ; wA::AfpyrG; alcA(p)-ATEG_03629.1; AfriboB</i>
FGSC A1909	LO5093, LO5094	ATEG_03432.1	<i>pyrG89; pyroA4; nkuA::argB; riboB2; stcA-WΔ; wA::AfpyrG; alcA(p)-ATEG_03432.1; AfriboB</i>
FGSC A1910	LO5200, LO5201, LO5202	ATEG_07661.1	<i>pyrG89; pyroA4; nkuA::argB; riboB2; stcA-WΔ; wA::AfpyrG; alcA(p)-ATEG_07661.1; AfriboB</i>
FGSC A1911	LO5283, LO5285	ATEG_07661.1 ATEG_07659.1	<i>pyrG89; pyroA4; nkuA::argB; riboB2; stcA-WΔ; wA::AfpyrG; alcA(p)-ATEG_07659.1; alcA(p)-ATEG_07661.1; AfpyrA</i>
FGSC A1912	LO5098, LO5099	ATEG_08662.1	<i>pyrG89; pyroA4; nkuA::argB; riboB2; stcA-WΔ; wA::AfpyrG; alcA(p)-ATEG_08662.1; AfriboB</i>

all started on CBM + supp. 11/8/13 all growing 11/10/13