

Supplemental table 4. Expression of genes of interests across asexual development in *Neurospora crassa*.

Expression of histones and histone variants							
Unique ID	al36	al60	al96	Al36	Al60	Al96	Gene/protein
NCU02435	1.10	1	1.48	1.15	1.05	1.23	Histone H2B
NCU02437	1.10	1	1.37	1.00	1.06	1.09	Histone H2A
NCU01635	1.09	1.73	1.81	1	1.67	1.58	Histone H3
NCU04338	1.21	1.31	1.60	1	1.41	1.49	H4v
NCU05347	1.79	1.55	1.15	1.06	1.60	1	H2Az
NCU06863	1	2.65	3.43	1.26	2.84	1.84	Histone H1
NCU09995	1.05	1.17	1.24	1	1.12	1.24	HMG1.2/ScNhp6
NCU09248	1.47	1.12	1	1.28	1.13	1.34	HAP (CAAT-Bind)
NCU03073	1.18	1.15	1.25	1.10	1.36	1	CHRAC17/POL II
NCU02695	1.36	1.27	1	1.28	1.21	1.31	HMG4
NCU00145	1.08	1.10	NA	1.01	1.07	1	H3v/ScCSE4
Expression of gene involved in histone modification							
NCU06472	1	1.24	1.10	1.02	1.04	1.13	ScHat1
NCU02556	1.15	1.43	1.85	1.09	1.32	1	HsTAF II250
NCU07589	1.11	1.22	1.44	1.16	1.39	1	SpAts1
NCU04583	1.05	1.39	1.69	1.22	1.62	1	GNAT-type
NCU01525	1	1.10	1.27	1.08	1.08	1.13	<i>had-1</i>
NCU02795	1	1.62	1.71	1.06	1.12	1.38	<i>had-2</i>
NCU07018	1.05	1.02	1.30	1	1.12	1.24	<i>had-4</i>
NCU04737	1.10	1.24	1.09	1	1.10	1.18	<i>nst-1</i>
NCU04859	1.20	1.19	1.17	1.24	1.30	1	<i>nst-4</i>
NCU00203	1	1.11	1.14	1.07	1.23	1.20	<i>nst-5</i>
NCU05973	1.29	1.28	1.24	1.52	1.28	1	<i>nst-6</i>
NCU00269	1.01	1.48	1	1.07	1.19	1.41	<i>set-2</i>
NCU01932	1.16	1.06	1.00	1.11	1.16	1	<i>set-3</i>
NCU07496	1	1.09	1.11	1.06	1.14	1.46	<i>set-7</i>
NCU07459	1.58	1	1.09	1.65	1.03	1.06	<i>prm-1</i>
NCU03937	1.16	1.35	1.46	1	1.35	1.38	ScGal83
NCU03187	1.32	1.42	1.09	1.05	1.19	1	<i>nim-1</i>

Expression of some transcription factors							
Unique ID	al36	al60	al96	Al36	Al60	Al96	Gene/protein
NCU03686	1	2.48	2.76	1.12	2.34	4.25	Upc2p like, asexual devel
NCU00499	1	2.85	2.61	1.20	2.66	3.51	sex/asex/basal hyphae
NCU03593	NA	1.27	1	NA	1.23	1.66	kal-1, asex/basal hyphae
NCU02142	1.20	1.93	1.94	1	1.98	2.10	S.p. Ntf1 like
NCU04179	2.46	3.12	1	2.83	1.88	1.73	C2H2, asexual devel
NCU01629	1.06	3.09	1.78	1	2.56	2.18	C2H2, Kruppel-like factor
NCU08807	1	1.84	3.60	2.20	1.99	4.82	C2H2, CRE-1 repressor
NCU03043	1	2.04	1.98	1.03	1.84	2.49	C2H2, fle gene

NCU03184	2.14	2.43	1	2.21	1.49	2.20	C2H2
NCU09333	1	3.51	3.52	1.58	4.29	3.35	C2H2, ace1 like
NCU06744	1	2.35	2.00	1.27	3.90	1.87	bHLH CAD70402
NCU03905	1.13	1.48	1.82	1	1.33	2.05	B-ZIP, AP-1-like
NCU01459	1.04	1.88	2.11	1	1.86	2.85	B-ZIP, ascospore lethal TF
NCU08744	1	2.50	2.81	1.05	2.61	2.76	B-ZIP, unkonwn
NCU03266	1.86	1.19	1	1.81	1.18	1.12	Homeobox TF

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Expression of cell division control/cycle genes

Unique ID	al36	al60	al96	Al36	Al60	Al96	gene
NCU08297	1.41	1.94	1.86	1	2.11	1.89	<i>cdc-3</i>
NCU06483	1	1.23	1.14	1.03	1.16	1.19	<i>cdc-4</i>
NCU05939	1	2.39	1.93	1.05	1.94	2.69	<i>cdc-4</i>
NCU06617	1.60	1	1.66	1.50	1.25	1.65	<i>cdc-4</i>
NCU06994	1.13	1.01	1.10	1.18	1	1.08	<i>cdc-5</i>
NCU02776	NA	NA	NA	1	1.34	1.04	<i>cdc-6</i>
NCU03515	1.50	1.52	1.38	1	1.44	1.29	<i>cdc-10</i>
NCU03795	NA	NA	NA	1	1.17	1.26	<i>cdc-12</i>
NCU02616	1	1.12	1.17	1.08	1.15	1.12	<i>cdc-20</i>
NCU00472	1.14	1.06	1.10	1.10	1.12	1	<i>cdc-37</i>
NCU06454	1.11	1.16	1	1.09	1.14	1.13	<i>cdc-42</i>
NCU02160	1.14	1	1.21	1.04	1.17	1.07	<i>cdc-42</i>
NCU08119	1.15	1.12	1.17	1.17	1.32	1	<i>cdc-47</i>
NCU01171	1	1.29	1.32	1.11	1.33	1.04	<i>cdc-46</i>
NCU09377	1.06	1.17	1.17	1	1.51	1.27	<i>cdc-55</i>
NCU01164	1	1.34	1.14	1.01	1.08	1.23	<i>cdc-68</i>

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Expression of heat shock proteins

Unique ID	al36	al60	al96	Al36	Al60	Al96	gene
NCU08512	1.03	1.28	1	1.07	1.12	1.33	<i>hsf1</i>
NCU09364	2.34	1.88	1	1.52	1.58	1.43	<i>hsp30</i>
NCU02630	1.32	1.05	1.14	1.24	1.14	1	<i>hsp38</i>
NCU09364	1.18	1.32	1.32	1.17	1.40	1	<i>hsp30</i>
NCU01589	1.84	1.24	1.30	1.47	1.25	1	<i>hsp60</i>
NCU09602	1.31	1.28	1.02	1.26	1	1.70	<i>hsp70</i>
NCU05269	1.52	1.10	1	1.50	1.35	1.31	<i>hsp88</i>
NCU01792	1.41	1.03	1.42	1.38	1.14	1	<i>hsp90 related</i>
NCU04142	1.55	1.04	1.19	1.56	1	1.55	<i>hsp90</i>
NCU00104	1.36	1.08	1.96	1	3.35	2.34	<i>hsp101</i>
NCU02075	2.00	1.38	1	2.37	1.26	1.55	<i>hsp SSB1</i>
NCU00714	1.54	1.37	1.37	1	1.22	1.63	<i>hsp like</i>

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Expression of ccg genes and light responsive genes

Unique ID	al36	al60	al96	Al36	Al60	Al96	gene
NCU03753	2.07	11.64	21.19	1	10.79	10.39	<i>ccg-1</i>

NCU08457	5.38	2.23	1.99	2.20	2.36	1	<i>ccg-2, eas</i>
NCU01418	1	1.25	1.09	1.09	1.28	1.71	<i>ccg-6</i>
NCU01528	1	1.24	1.68	1.19	1.38	1.20	<i>ccg-7</i>
NCU05561	1.23	1.05	1.47	1	1.17	1.28	<i>ccg-12, cmt</i>
NCU03967	1.04	1.85	1.87	1	2.05	2.54	<i>vvd</i>
NCU07267	1.42	2.54	3.48	1	2.89	3.57	<i>bli-3</i>
NCU04834	3.68	2.49	1	3.87	2.02	2.00	<i>phy-1</i>
NCU05790	1.69	1.68	1.40	1.54	1.99	1	<i>phy-2</i>
NCU10055	1.11	1.24	1.58	1	1.30	1.98	<i>nop-1</i>

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Expression of genes involved in conidiation

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Unique ID	al36	al60	al96	Al36	Al60	Al96	Gene/protein
NCU06205	1.00	1.35	1.58	1	1.58	1.59	<i>rco-1</i>
NCU03725	1.47	2.12	2.71	1	2.23	2.73	<i>vib-1</i>
NCU03967	1.04	1.85	1.87	1	2.05	2.54	<i>vvd</i>
NCU09235	1	11.98	16.00	1.30	11.71	25.09	<i>con-8</i>
NCU08769	2.27	1.36	1.24	1.61	1.51	1	<i>con-6</i>
NCU07325	1	1.71	1.88	1.24	1.69	2.28	<i>con-10</i>
NCU01797	1.22	1.02	1.18	1.06	1	1.67	<i>nrc-2</i>
NCU03200	1	1.08	1.09	1.15	1.37	1.26	<i>sch9</i>
NCU03737	1.34	1.16	1	1.62	1.18	1.54	<i>tuf1</i>
NCU00443	1.01	1.10	1.06	1	1.12	1.34	Ran_Pb1
NCU04173	1.13	1.24	1	1.10	1.15	1.45	<i>act</i>
NCU08332	1	1.33	1.55	1.08	1.19	1.29	<i>hex-1</i>
NCU07296	1.22	1.37	1.55	1	1.41	1.29	<i>cot-1</i>

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Expression of genes involved in signal pathways

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Unique ID	al36	al60	al96	Al36	Al60	Al96	Gene/protein
NCU06240	1.05	1.27	1.32	1	1.28	1.33	<i>pka</i>
NCU02393	1	1.06	1.53	1.05	1.08	2.11	<i>mak2</i>
NCU06419	1	1.38	1.80	1.24	1.49	1.88	<i>mek1</i>
NCU00587	1.53	1.03	1	1.60	1.00	1.50	<i>os5</i>
NCU07024	1.06	1.35	1.47	1	1.29	1.56	<i>os2</i>
NCU04096	1.53	1.81	1	1.23	1.67	1.20	<i>mst3</i>
NCU08791	1.05	1.95	1.96	1	1.65	1.72	<i>so</i>
NCU00622	NA	NA	NA	1	1.09	1.07	<i>S. pombe tea-1 like</i>
NCU04050	1.38	1	1.48	1.50	1.24	1.15	<i>cpc-1</i>
NCU01871	1.17	1.66	1.30	1	1.53	1.60	<i>mcm</i>
NCU08739	1	8.73	6.46	2.20	9.14	17.63	endothiapepsin precursor
NCU00041	1	1.18	1.65	NA	NA	NA	<i>Ste18</i>
NCU06245	1.08	1.42	1.06	1	1.32	1.09	<i>col</i>