

Table 6. Columns 1-3 show 23 differentially expressed genes conserved in *A. nidulans*, *A. niger*, and *A. oryzae*.

<i>A. nidulans</i>	<i>A. oryzae</i>	<i>A. niger</i>	<i>A. fumigatus</i>	<i>A. niger</i> annotation	Regulation	Motif A
AN0250	AO090001000069	JGI55668	N/A	Sugar transporter	Up	NdNgO
AN0280	AO090005000767	JGI55419	Afu1g03140	Glucosyl hydrolase	Up	
AN0423	AO090003000859	JGI51997	Afu1g04820	D-xylose reductase (xyrA)	Up	NdNgOFu
AN0942	AO090005001078	JGI46405	Afu1g16270	L-arabitol dehydrogenase	Up	NdNgOFu
AN10124	AO090003000497	JGI213437	Afu1g14710	beta-glycosidase	Up	NgFu
AN10169	AO090038000426	JGI177736	Afu1g10100	Short-chain dehydrogenase	Up	NdNgO
AN1677	AO090023000688	JGI54541	Afu4g08710	Short-chain dehydrogenase	Up	Fu
AN2359	AO090005000986	JGI205670	Afu1g16920	beta-xylosidase	Up	NdNgO
AN3184	AO090012000809	JGI55604	Afu3g13240	Aldose 1-epimerase	Up	Ng
AN3368	AO090010000208	JGI212893	Afu7g01320	Glycoside hydrolase	Up	NdNg
AN3432	AO090020000042	JGI56084	Afu3g05740	Aldose 1-epimerase	Up	NdNgOFu
AN4148	AO090009000275	JGI205766	Afu4g13080	Sugar transporter	Up	NgO
AN4590	AO090011000483	JGI180923	Afu2g02110	Sugar transporter	Up	NgO
AN5860	AO090026000494	JGI197162	Afu2g11520	Monosugar-transporter (mstC)	Down	
AN7193	AO090023000264	JGI55928	Afu6g10260	Aldo/keto reductase	Up	NdNgO
AN7610	AO090012000267	JGI48811	Afu2g15620	xlnR	Up	NgOFu
AN8138	AO090010000684	JGI212736	Afu8g01130	alpha-galactosidase	Up	NgFu
AN8400	AO090020000324	JGI199510	Afu3g06730	Sugar transporter	Up	NgO
AN8790	AO090020000603	JGI209771	Afu5g09840	D-xylokinase (xkiA)	Up	NdNgOFu
AN9064	AO090038000631	JGI203198	Afu7g02550	Xylitol dehydrogenase (xdhA)	Up	NdNgOFu
AN9173	AO090010000063	JGI194438	Afu8g00890	Sugar transporter	Up	NdNgOFu
AN9286	AO090026000127	JGI56619	Afu5g14380	alpha-glucuronidase (aguA)	Up	NdNgOFu
AN9287	AO090701000345	JGI54859	Afu2g00820	Lipolytic enzyme	Up	NdNgOFu

The *A. fumigatus* column shows the ORF that was the best blast hit for the genes from all of the other three aspergilli. Genes marked with “Up” are up-regulated in *A. nidulans*, *A. niger*, and *A. oryzae* when grown on xylose medium. The presence of motif A (5'-GGNTAAA-3') in the promoter region of the *A. fumigatus*, *A. nidulans*, *A. niger*, and *A. oryzae* genes is marked with Fu, Nd, Ng and O respectively.