

Table S1. Nomenclature of fungal KDACs in different fungal species.

Organism	Class 1		Class2	
<i>Saccharomyces cerevisiae</i>	Rpd3 (YNL330C)	Hos2 (YGL194C)	Hda1 (YNL021W)	Hos3 (YPL116W)
<i>Schizosaccharomyces pombe</i>	Clr6 (SPBC36.05c)	Hos2/Phd1 (SPAC3G9.07c)	Clr3 (SPBC800.03)	No ortholog
<i>Candida albicans</i>	Rpd3 (CR_02760C_A) Rpd31 (C3_07000W_A)	Hos2 (C3_00780W_A)	Hda1 (CR_02050C_A)	Hos3 (C4_02300W_A)
<i>Aspergillus nidulans</i>	RpdA (AN4493)	HosA (AN3806)	HdaA (AN8042)	HosB (AN7019)
<i>Aspergillus fumigatus</i>	RpdA (Afu2g03390)	HosA (Afu2g03810)	HdaA (Afu5g01980)	HosB (Afu4g04290)
<i>Fusarium graminearum</i>	Hda3 (FGRAMPH1_01G01959)	Hdf1/Hda2 (FGRAMPH1_01G03337)	HDF2Hda1 (FGRAMPH1_01G15009)	FGRAMPH1_01G18387
<i>Magnaporthe oryzae</i>	Rpd3 (MGG_05857)	Hos2 (MGG_01633)	Hda1 (MGG_01076)	Hos3 (MGG_06043)
<i>Botrytis cinerea</i>	Rpd3 (Bcin05g02590)	Hos2 (Bcin01g03610)	Hda1 (Bcin15g02130)	Bcin12g01310
<i>Beauveria bassiana</i>	Rpd3 (EJP69682.1)	XP_008603650.1	Hda1/Clr3 (EJP66596.1)	XP_008600884.1
<i>Ustilago maydis</i>	Hda1 (UMAG_02065) UMAG_11308	Hos2 (UMAG_11828)	UMAG_02102	UMAG_10914
<i>Cochliobolus carbonum</i>	Hdc2 (AAK35180.1)	Hdc1 (AAL56814.1)	AAP95014.1	AAP94999.1
<i>Cryptococcus neoformans</i>	Rpd304 (CNAG_05690) Rpd301 (CNAG_01699) Rpd302 (CNAG_05096) Rpd303 (CNAG_05276)	Hos2 (CNAG_05563)	Hda1 (CNAG_01563)	Hos3 (CNAG_00660)