

**Supplementary Table 6 Genes predicted to be implicated in heterokaryon incompatibility in *A. niger***

<b>Name and origin of protein in heterokaryon incompatibility</b>	<b>Number of <i>A. niger</i> homologs</b>	<b>Best hit (with lowest E-value)</b>	<b>References</b>
HET-6 <sup>OR</sup> ( <i>N. crassa</i> NCU03533.2)	11	An02g12950 (1e-27)	11
HET-C ( <i>N. crassa</i> NCU03125.2)	1	An15g06140 (1e-128)	11
HET-C2 ( <i>P. anserina</i> AAA20542)	1	An02g09550 (2e-66)	11
HET-D2Y ( <i>P. anserina</i> AAL37301)	>25	An11g03460 (1e-158)	11
IDI-4 ( <i>P. anserina</i> AAT40415)	1	An04g04510 (4e-12)	12
IDI-6 ( <i>P. anserina</i> AAC03564)	2	An07g03880 (0.0)	13
IDI-7 ( <i>P. anserina</i> AAN41258)	1	An07g10020 (8e-63)	13
MOD-D ( <i>P. anserina</i> AAC24766)	4	An08g05820 (1e-156)	11
MOD-E ( <i>P. anserina</i> AAB97626)	1	An09g06590 (0.0)	11
UN-24 ( <i>N. crassa</i> NCU03539.2)	1	An04g01080 (0.0)	11
TOL ( <i>N. crassa</i> NCU04453.2)	10	An15g04930 (3e-47)	11
VIB-1 ( <i>N. crassa</i> NCU03725.2)	1	An16g09130 (1e-57)	11

Only hits with E-value < e=-10 are included. For *P. anserina* the accession numbers are from Genbank, for *N. crassa* from Broad Institute

(<http://www.broad.mit.edu/annotation/genome/neurospora/home.html>)

For references see supplementary data