

<b>Cadmium-specific genes</b>
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Gene Name	Annotation
SPBPB10D8.02C	putative arylsulfatase, contains sulphatase domain for sulfate production
SPAC869.05C	SulP sulfate transporter, similar to <i>S. cerevisiae</i> Sul1p and Sul2p
SPBC16D10.06	ZIP zinc transporter, similar to <i>S. cerevisiae</i> Zrt1p and Zrt2p
SPAC1002.19	putative GTP cyclohydrolase, involved in riboflavin biosynthesis
SPBPB10D8.01	putative allantoinase of the major facilitator superfamily (MFS)
SPCC1739.06C	uroporphyrin methyltransferase, similar to <i>S. cerevisiae</i> Met1p
SPCPB1C11.03	putative membrane transporter
SPAC5H10.06C	iron containing alcohol dehydrogenase
SPBC106.17C	putative homoserine o-acetyltransferase, similar to <i>S. cerevisiae</i> Met2
SPAC29B12.10C	putative pheromone response, similar to <i>S. cerevisiae</i> Opt1p and Opt2p, member of the oligopeptide transporter (OPT) family
<i>isp7</i>	sexual differentiation process protein
<i>pof1</i>	F-box protein
SPAC4G8.03C	pumilio domain containing protein
SPAC1002.18	hypothetical protein
SPBP16F5.08C	with similarity to flavin-containing monooxygenases, catalyzes the production of glutathione disulfide
SPAC1002.17C	uracil phosphoribosyltransferase, similar to <i>S. cerevisiae</i> Fur1p
SPAC1399.04C	putative uracil phosphoribosyltransferase, similar to <i>S. cerevisiae</i> Fur1p
SPAC23A1.14C	putative cystathionine gamma-synthase
SPBPB2B2.05	putative gmp synthase, glutamine amidotransferase class-I
<i>dak2</i>	dihydroxyacetone kinase, similar to <i>S. cerevisiae</i> Dak2p and Dak1p
SPAC1039.10	putative translation initiation inhibitor
SPAC343.20	hypothetical protein; sequence orphan
SPCC1442.16C	putative quinone oxidoreductase, similar to <i>S. cerevisiae</i> Zta1p
SPAC1348.06C	hypothetical protein; similar to <i>S. cerevisiae</i> YOR387c
SPAC977.05C	hypothetical protein; similar to <i>S. cerevisiae</i> YOR387c
SPBPB2B2.08	hypothetical protein; sequence orphan
SPBPB2B2.06C	putative 5' nucleotidase family protein; possibly involved in the degradation of external UDP-glucose by similarity
SPAC1039.01	APC amino acid transporter
SPBP26C9.03C	putative metal transport protein; by similarity to <i>S. cerevisiae</i> Fet4p
<i>cad1/hmt2</i>	sulphide-quinone oxidoreductase, involved in sulphide metabolism and resistance to heavy metals
SPBC725.04	putative oxalyl-CoA decarboxylase
SPCC338.13	hypothetical protein; similar to <i>S. cerevisiae</i> YPR105c implicated in vesicular transport

**CESR genes that are super-induced in response to cadmium**

SPCC965.06	putative potassium channel subunit
SPAC521.03	putative short chain dehydrogenase, similar to <i>S. cerevisiae</i> Ymr226p