

TEXT SUPPLEMENT (Ch 4): Yeast Genes

Some of the human disease genes that have high similarity to yeast genes

HUMAN DISEASE	YEAST GENE	FUNCTION IN YEAST
Amyotrophic lateral sclerosis	<i>SOD1</i>	Protection against a toxic form of oxygen called superoxide (O_2^-)
Colon cancer	<i>MSH2</i>	DNA repair
Cystic fibrosis	<i>YCF1</i>	Metal resistance
Myotonic muscular dystrophy	<i>YPK1</i>	Codes for an enzyme (protein kinase)

Adapted from Genomes, Terrence A. Brown. Wiley-Liss: New York, 1999.