

SALT STRESS INDUCTION OR REPRESSION ORDERED BY MIPS CATEGORIES

MIPS CATEGORY AND FUNCTIONAL CLASS	Salt Stress				MIPS Total
	10 min.		90 min		
	up	down	up	down	
CELL GROWTH, CELL DIVISION AND DNA SYNTHESIS	9	20	20	18	767
cell cycle control and mitosis	1	6	4	2	322
pheromone response, mating-type determination, sex-specific proteins	4	3	1	6	156
budding, cell polarity, and filament formation	3	11	4	6	166
cell growth	1	7	4	3	73
cytokinesis	1	3	1	2	30
meiosis	1	0	4	2	94
recombination and DNA repair	2	0	3	1	89
sporulation and germination	1	0	5	3	98
CELLULAR BIOGENESIS	4	4	5	3	185
CELLULAR ORGANIZATION	50	66	111	53	2144
extracellular/secretion protein	13	5	3	5	20
ER organization	4	2	6	2	117
cell wall organization	2	3	2	3	30
nuclear organization	5	29	17	20	726
organiz. of plasma membrane	3	8	14	5	142
vacuolar and lysosomal organization	4	3	6	0	49
mitochondria	8	0	24	3	345
CELL RESCUE, DEFENSE, CELL DEATH AND AGEING	10	18	48	9	341
DNA repair (direct repair, base and nucleotide excision repair)	0	3	4	0	83
stress response	7	14	27	9	153
detoxification	3	1	13	0	96
ENERGY	10	8	38	1	239
tricarboxylic-acid pathway	1	1	5	1	22
glycolysis	1	1	3	0	29
fermentation	1	3	6	0	34
respiration	7	0	14	0	82
pentose-phosphate	0	1	4	0	9
glyoxylate cycle	0	1	0	0	6
metabolism of energy reserves	0	1	2	0	37
INTRACELLULAR TRANSPORT	12	20	35	11	538
vesicular transport (Golgi network, etc.)	0	1	2	4	102
cellular import	2	3	12	3	100
cytoskeleton-dependent transport	0	2	0	0	27
extracellular transport	0	2	2	0	36
mitochondrial transport	3	2	2	1	79
nuclear transport	3	2	1	1	48
vacuolar transport	1	2	2	0	45
IONIC HOMEOSTASIS	2	3	12	0	120
METABOLISM	38	24	101	33	1023
f.a.,sterol,lipid metabolism	2	2	23	4	180
aa metabolism	10	5	25	12	202
nucleotide metabolism(pur/pyr)	9	1	1	16	73
deoxyribonucleotide metabolism	1	0	4	0	12
carbohydrate metabolism	11	13	41	2	412
PROTEIN DESTINATION	15	17	18	15	525
PROTEIN SYNTHESIS	22	12	4	111	345
ribosomal protein	18	7	2	97	206
translation	3	5	1	12	63
SIGNAL TRANSDUCTION	3	7	6	4	122
TRANSCRIPTION	5	35	22	20	734
mRNA transcription	2	24	18	16	533
rRNA transcription	0	5	4	5	96
tRNA transcription	1	1	3	1	77
TRANSPORT FACILITATION	7	9	31	2	302
sugar and carbohydrate transporters	2	3	8	0	44
ion transporters	2	3	7	0	72
aa transporters	0	1	4	0	25
UNCLASSIFIED	25	98	152	22	2593
RETROTRANSPOSONS AND PLASMID PROTEINS	1	2	1	1	113