

**Protein Data**

	Short name	Protein name	Protein ID	MS Data				Expressing 8.21			Control 8.21		
				Mass kDa	pI	coverage	Peptide matches	Spot N°	Av. ratio	1-ANOVA	Spot N°	Av. ratio	1-ANOVA
GLYCOLYSIS	CDC19.1	Pyruvate kinase	PIPA00751	49.56	6.62	34.5	15	712	1.91	8.00E-03	604	3.14	9.80E-03
	CDC19.2		PIPA00751	49.56	6.62	32.5	9	769	2.19	9.20E-04	854	2.98	2.80E-05
	PGI1	Phosphoglucose isomerase	PIPA03258	61.94	6.16	4.8	2	788	1.88	7.10E-03	845	2.34	1.20E-03
	ENO1.1	Enolase	PIPA00938	46.49	5.55	26.8	8	1054	1.69	2.60E-02	837	2.86	2.60E-04
	ENO1.2		PIPA00938	46.49	5.55	45.2	15	1116	2.45	6.60E-04	1122	1.57	1.80E-04
	ENO1.3		PIPA00938	46.49	5.55	54.4	21	1117	2.4	1.50E-02	1116	2.09	1.90E-05
	TDH3	Glyceraldehyde 3-phosphate dehydrogenase	PIPA02510	30.92	5.81	15.9	3	1477	1.51	2.40E-02	1127	2.06	8.20E-04
	FBA1	Fructose 1,6-bisphosphate aldolase	PIPA00092	39.7	6.38	26.3	5	1354	1.72	1.20E-01	1039	3.72	8.60E-03
	GPM1.1	Phosphoglycerate mutase	PIPA02723	22.42	5.15	44.0	8	1829	1.96	2.10E-02	1610	2.12	5.20E-04
	GPM1.2		PIPA02723	22.42	5.15	23	4	1830	3.38	8.00E-03	1605	1.98	3.30E-03
TCA	ACO1	Aconitase	PIPA00361	84.5	5.39	36.3	23	282	-1.61	3.50E-03	478	-1.87	1.10E-03
	FUM1	Fumarase	PIPA02844	52.6	6.79	32.4	12	1028	-1.33	4.10E-04	1040	-1.58	3.20E-04
	MDH1	Mitochondrial malate dehydrogenase	PIPA02244	32.67	4.96	43.2	15	1466	-4.02	1.60E-03	1382	-6.81	1.40E-06
VITAMIN METAB. PROCESS	ALD4	Mitochondrial aldehyde dehydrogenase	PIPA00390	42.15	8.45	39.6	11	711	-2.15	1.90E-04	797	-2.14	7.60E-06
	FDH1.1	NAD(+)-dependent formate dehydrogenase	PIPA03425	40.29	7.05	10.4	2	1130	-2.09	1.00E-03	-	-	-
	FDH1.2		PIPA03425	40.29	7.05	15.9	3	1166	-1.87	6.10E-04	-	-	-
	FDH1.3		PIPA03425	40.29	7.05	15.9	3	1170	-2.32	2.00E-03	-	-	-
	FDH1.4		PIPA03425	40.29	7.05	31.8	8	1175	-3.91	1.70E-03	1148	-8.36	4.00E-05
	GUT2.1	Mitochondrial glycerol-3-phosphate dehydrogenase	PIPA02567	31.72	9.11	24.4	5	514	-1.45	1.30E-02	593	-2.04	3.10E-04
	GUT2.2		PIPA02567	44.80	6.14	38.5	13	514	-1.45	1.30E-02	593	-2.04	3.10E-04
	GUT2.3		PIPA02567	37.53	5.93	41.8	12	514	-1.45	1.30E-02	593	-2.04	3.10E-04
STRESS RESPONSE	PRX1	Mitochondrial thioredoxin peroxidase	PIPA01363	25.12	6.02	43.4	8	1887	-1.96	1.40E-02	1690	-2.16	2.10E-03
	SSA4	Heat shock protein SSA4	PIPA03073	70.72	5.12	19.6	8	365	1.36	4.90E-02	403	3.06	1.90E-02
	TSA1	Thioredoxin peroxidase	PIPA04168	36.42	5.26	19.6	4	2077	1.84	1.50E-02	1832	1.73	2.90E-04
	PIL1	Hypothetical protein	PIPA00237	35.22	5.07	9.3	2	1377	1.35	1.90E-01	1005	2.2	9.30E-03
	CCP1	Mitochondrial cytochrome-c peroxidase	PIPA04202	41.9	7.01	p.i.	p.i.	1645	-1.42	1.30E-02	1503	-2.11	1.40E-03

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AMINO ACID METAB.	CYS4	Cystathionine beta-synthase	PIPA04214	54.89	7.16	2.4	1	752	1.63	2.30E-02	844	1.91	1.10E-03
	PDC1.1	Pyruvate decarboxylase	PIPA01726	61.32	5.88	36.4	15	665	2.16	3.90E-03	-	-	-
	PDC1.2		PIPA01726	61.32	5.88	17.1	6	740	1.99	6.10E-03	802	1.25	1.40E-02
	PDC1.3		PIPA01726	61.32	5.88	54.5	25	746	3.07	4.40E-04	629	6.31	2.60E-03
	THI3		Pyrimidine precursor biosynthesis enzyme thi3	PIPA00420	38.22	6.63	18.2	6	1588	3.04	3.40E-02	1188	3.11
	SAM2	S-adenosylmethionine synthetase	PIPA00230	42.3	6.43	p.i.	p.i.	1333	1.2	4.30E-02	1249	2.88	1.60E-03
OTHERS	RPN10	19S/PA700 proteasome regulatory particle subunit Rpn10p/S5a	PIPA03368	29.66	5.15	16.1	2	1703	-1.74	3.90E-03	1583	-1.89	2.00E-03
	EFT2	Elongation factor 2 (EF-2)	PIPA00576	93.40	6.63	9.1	6	111	1.28	2.30E-02	165	2.11	2.00E-02
	GUT1.1	Glycerol kinase	PIPA01632	68.15	5.33	2.4	1	477	-2.41	2.20E-03	644	-3.88	2.60E-04
	GUT1.2		PIPA01632	68.15	5.33	42.0	19	483	-2.72	2.10E-03	650	-5.50	1.10E-06
	INO1.1	Myo-inositol-1-phosphate synthase	PIPA04248	58.40	5.26	34.7	13	679	1.39	1.80E-03	791	1.79	8.90E-03
	INO1.2		PIPA04248	58.40	5.26	2.1	1	709	2.07	1.80E-03	784	2.27	2.60E-04
	YNL134C	Zinc binding oxidoreductase	PIPA00176	37.79	6.73	24.6	7	1323	1.87	1.20E-01	1065	2.47	8.10E-03
	YPR127W	Pyridoxal reductase?	PIPA01079	31.81	5.86	3.5	1	1431	-2.7	2.10E-06	1308	-3.2	7.50E-04
	-	acyl-CoA thioester hydrolase	PIPA00817	57.74	8.65	27.1	9	808	-2.22	8.00E-04	886	-2.64	2.60E-04
	AOX1	Alcohol oxidase	PIPA01780	73.8	6.41	p.i.	p.i.	348	-3.58	3.60E-03	534	-7.56	1.60E-03
	PDX3	Pyridoxine (pyridoxamine) phosphate oxidase	PIPA04880	26.07	6.56	18.7	3	1957	2.01	2.50E-04	1720	1.32	7.40E-02
	YDL124W	NADPH-dependent alpha-keto amide reductase	PIPA01263	33.69	5.57	12.4	3	1566	1.63	1.60E-02	1208	2.28	1.10E-02
	ACS1	Acetyl-coA synthetase isoform	PIPA00753	73.8	6.02	p.i.	p.i.	432	-2.71	4.90E-04	602	-2.01	4.10E-04