

## Glycolysis

E.C.#	Name of Enzyme	ISM	E value	OG2516	E value	RB2654	E value	MED193	E value	ROS217	E value	RD1	E value	DshiDRAFT	E value
2.7.1.2	glucokinase (hexokinase)	ISM_08395	2.00E-33	OG_07236	E-36	RB_03754	4.00E-34	MED_07838	2.00E-39	ROS_10542	6.00E-31	RD1_3776	7.00E-36	DshiDRAFT_3812	2.00E-37
5.3.1.9	phosphoglucoisomerase	ISM_16490	0	OG_07485	0	RB_01825	0	MED_17414	0	ROS_18437	0	RD1_2720	0	DshiDRAFT_3836	0
3.1.3.11	phosphofructokinase (fructose-bisphosphatase)	ISM_12915	E-48	OG_11109	E-150	RB_21283	E-145	MED_08633	E-170	ROS_17082	E-148	RD1_2537	E-159	DshiDRAFT_0797	E-147
4.1.2.13	aldolase	ISM_04665	6.00E-94	OG_08065	2.00E-87	RB_05195	3.00E-96	MED_20764	E-103	ROS_17772	2.00E-91	RD1_2270	E-112	DshiDRAFT_0688	3.00E-91
2.7.2.3	phosphoglycerate kinase	ISM_04660	E-135	OG_08060	E-135	RB_05185	E-140	MED_03347	0	ROS_17777	E-137	RD1_3008	E-124	DshiDRAFT_0687	E-139
5.4.2.1	phosphoglyceromutase	ISM_02400	0	OG_17013	0	RB_12579	0	MED_11689	0	ROS_22057	0	RD1_0335	0	DshiDRAFT_2172	0
4.2.1.11	enolase	ISM_16480	0	OG_08567	0	RB_03084	0	MED_22551	0	ROS_21722	0	RD1_3142	0	DshiDRAFT_0679	0
2.7.1.40	pyruvate kinase	ISM_02615	0	OG_14000	0	RB_16676	0	MED_12017	0	ROS_12046	0	RD1_1007	0	DshiDRAFT_2304	0

## Citric Cycle

E.C.#	Name of Enzyme	ISM	E value	OG2516	E value	RB2654	E value	MED193	E value	ROS217	E value	RD1	E value	DshiDRAFT	E value
2.3.3.1	Citrate Synthase	ISM_14750	0	OG_06173	0	RB_04751	E-167	MED_03672	0	ROS_21407	0	RD1_3219	0	DshiDRAFT_3969	0
1.1.1.42	Isocitrate Dehydrogenase					RB_11728	0	MED_19079	0	ROS_11516	0	RD1_2204	0	DshiDRAFT_0512	0
4.2.1.3	Aconitate Hydratase	ISM_11335	0	OG_07091	0	RB_05160	0	MED_15667	9.00E-20	ROS_21772	0	RD1_2555	0	DshiDRAFT_4012	0
1.2.4.2	Oxoglutarate Dehydrogenase	ISM_05070	0	OG_12914	0	RB_17356	0	MED_10558	0	ROS_06940	0	RD1_1609	0	DshiDRAFT_1416	0
6.2.1.5	Succinate CoA synthetase	ISM_05060	0	OG_12899	0	RB_17336	0	MED_10543	0	ROS_15775	0	RD1_1615	0	DshiDRAFT_1412	0
1.3.99.1	Succinate Dehydrogenase	ISM_04990	0	OG_12839	0	RB_17251	0	MED_10488	0	ROS_08394	0	RD1_1628	0	DshiDRAFT_1399	0
4.2.1.2	Fumarate hydratase	ISM_12420	0	OG_10874	0	RB_02589	0	MED_02770	0	ROS_19652	0	RD1_2273	0	DshiDRAFT_0855	0
1.1.1.37	Malate Dehydrogenase	ISM_05055	E-161	OG_12884	E-161	RB_17316	E-162	MED_10538	E-159	ROS_06920	E-167	RD1_1617	E-161	DshiDRAFT_1410	E-164

## Oxidative Phosphorylation

E.C.#	Name of Enzyme	ISM	E value	OG2516	E value	RB2654	E value	MED193	E value	ROS217	E value	RD1	E value	DshiDRAFT	E value
1.6.99.3	NADH dehydrogenase	ISM_14390	0	OG2516_07685	0	RB2654_01370	0	MED193_06964	0	ROS217_20647	0	RD1_3269	0	DshiDRAFT_3459	0
1.3.99.1	Succinate dehydrogenase	ISM_04990	0	OG2516_12839	0	RB2654_17251	0	MED193_10488	0	ROS217_08394	0	RD1_1628	0	DshiDRAFT_1399	0
1.10.2.2	Ubiquinol-cytochrome C reductase	ISM_02660	0	OG2516_15368	0	RB2654_14495	E-47	MED193_14462	0	ROS217_13136	0	RD1_0504	0	DshiDRAFT_1792	0
1.9.3.1	Cytochrome C oxidase	ISM_04945	0	OG2516_12107	0	RB2654_08222	0	MED193_08728	0	ROS217_15111	0	RD1_1967	0	DshiDRAFT_0902	0
3.6.3.14	ATPase (ATP synthase)	ISM_11745	0	OG2516_13725	0	RB2654_19878	0	MED193_20109	0	ROS217_14326	0	RD1_3533	0	DshiDRAFT_1465	0
3.6.1.1	Hydrolase	ISM_02225	E-135	OG2516_04059	E-130	RB2654_08027	E-132	MED193_20189	E-144	ROS217_12496	E-138	RD1_3520	E-132	DshiDRAFT_1456	E-131