

Reaction	Substrate	Product	Condition	Repl 1	Repl 2	Repl 3
iso -> pyr	Isocitrate	Pyruvate	normoxic n	0.006854	0.009981	0.00086
iso -> akg	Isocitrate	Alpha-keto	normoxic n	0.0292	0.042245	0.010553
iso -> suc	Isocitrate	Succinate	normoxic n	0.175031	0.199419	0.013789
akg -> suc	Alpha-keto	Succinate	normoxic n	0.179997	0.087454	0.089009
iso -> pyr	Isocitrate	Pyruvate	anoxic mix	0.002353	0.006587	0.007469
iso -> akg	Isocitrate	Alpha-keto	anoxic mix	0.022355	0.009675	0.017067
iso -> suc	Isocitrate	Succinate	anoxic mix	0.032826	0.012407	0.01517
akg -> suc	Alpha-keto	Succinate	anoxic mix	0.160422	0.084212	0.124369
iso -> pyr	Isocitrate	Pyruvate	Fe(II)	NA	0.002627	0.011436
iso -> akg	Isocitrate	Alpha-keto	Fe(II)	0.03132	0.061497	0.015056
iso -> suc	Isocitrate	Succinate	Fe(II)	0.308676	0.01536	0.020617
akg -> suc	Alpha-keto	Succinate	Fe(II)	0.2269	0.14895	0.099397
iso -> pyr	Isocitrate	Pyruvate	Fe(III)	0.011894	0.011357	0.005408
iso -> akg	Isocitrate	Alpha-keto	Fe(III)	-0.00045	0.005597	0.007543
iso -> suc	Isocitrate	Succinate	Fe(III)	NA	0.017502	0.029488
akg -> suc	Alpha-keto	Succinate	Fe(III)	0.261724	0.179622	0.119931
iso -> pyr	Isocitrate	Pyruvate	Ni	0.028397	0.017214	0.002509
iso -> akg	Isocitrate	Alpha-keto	Ni	NA	NA	NA
iso -> suc	Isocitrate	Succinate	Ni	0.005322	-0.00048	0.00038
akg -> suc	Alpha-keto	Succinate	Ni	0.002702	0.002778	0.001043
iso -> pyr	Isocitrate	Pyruvate	Co	0.000435	0.000544	NA
iso -> akg	Isocitrate	Alpha-keto	Co	NA	NA	NA
iso -> suc	Isocitrate	Succinate	Co	-0.00311	-9.00E-06	0.001052
akg -> suc	Alpha-keto	Succinate	Co	-0.00078	-0.00171	0
iso -> pyr	Isocitrate	Pyruvate	Mo	0.002804	0.001088	0.001326
iso -> akg	Isocitrate	Alpha-keto	Mo	NA	NA	NA
iso -> suc	Isocitrate	Succinate	Mo	0	0.003655	0.000607
akg -> suc	Alpha-keto	Succinate	Mo	-0.00015	0.016409	0.010251
iso -> pyr	Isocitrate	Pyruvate	Phosphate	NA	NA	NA
iso -> akg	Isocitrate	Alpha-keto	Phosphate	NA	NA	NA
iso -> suc	Isocitrate	Succinate	Phosphate	-0.00182	0.000578	0.000877
akg -> suc	Alpha-keto	Succinate	Phosphate	0.006268	-0.00364	0
iso -> pyr	Isocitrate	Pyruvate	control	NA	NA	0.000308
iso -> akg	Isocitrate	Alpha-keto	control	NA	NA	NA
iso -> suc	Isocitrate	Succinate	control	0	-0.00024	0.000499
akg -> suc	Alpha-keto	Succinate	control	0	0	0