

Table 1: Summary statistics of five genome-scale metabolic models.

GEM	Metabolites	Reactions	Carbon ACHMCs					Nitrogen ACHMCs				
			Sources	Sinks	States	Transitions	AEFMs	Sources	Sinks	States	Transitions	AEFMs
E. coli core	71	144	184	255	14659	24355	6519	30	40	246	448	204
iAB RBC 283	274	465	954	1166	37122	51220	7958	161	214	6409	9275	2091
iIT341	433	759	1486	2134	86342	120545	30633	314	447	27440	39761	10440
iSB619	547	974	2188	2986	169877	246712	59444	353	516	36661	54165	14214
HepG2	435	545	376	939	9092000	11615891	1377937	72	190	19137	27860	5105