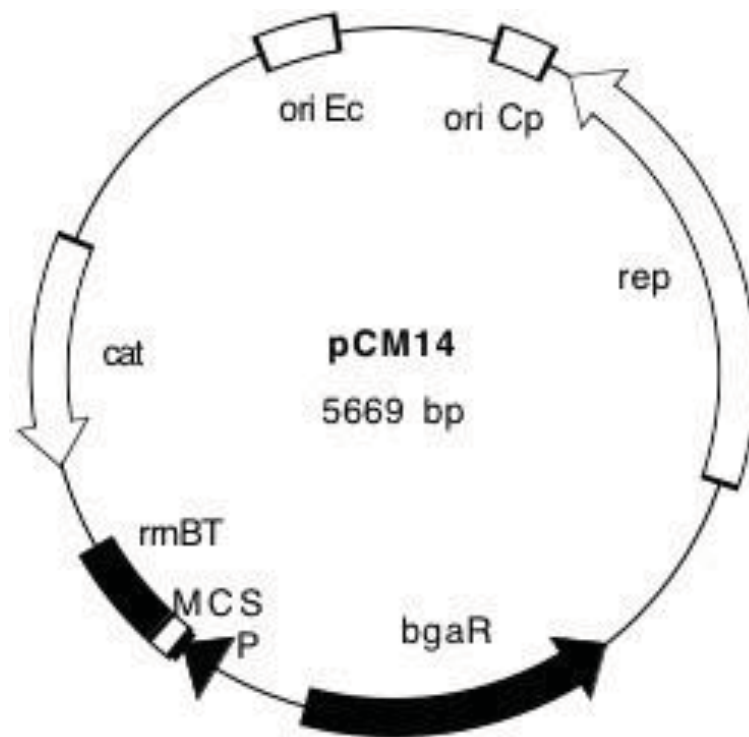


Supplemental Figure 1



Supplemental Table 1. Top 20 mRNA transcripts expected to be preferentially cleaved by MazF-cd

Locus	Length	Expected	Actual	Probability	Gene	Product
CD3271	216	0.26	3	0.999844907		hypothetical protein
CD2087	2217	3.33	11	0.999816364		putative xanthine dehydrogenase
CD2822	1173	1.33	6	0.999544771		putative peptidase
CD3001	903	1.37	6	0.999469843		putative isomerase/hydrolase
CD3214	870	1.45	6	0.999234905		AraC family transcription regulator
CD2871	276	0.40	3	0.999224894	uxaA'	altronate hydrolase (N-terminus)
CD2179	2178	3.43	10	0.999145211		putative formate dehydrogenase
CD3167	498	0.76	4	0.998899679		putative phosphatidylethanolamine-binding regulatory protein
CD1205	888	1.19	5	0.998552549	ispA	geranyltranstransferase
CD2290	375	0.48	3	0.998504182		putative regulatory protein
CD2947A	189	0.22	2	0.998427176		hypothetical protein
CD2523	573	0.85	4	0.998231443		putative metal dependent phosphohydrolase
CD0928	210	0.23	2	0.998207969		hypothetical protein
CD2035	1092	2.21	7	0.997982875		hypothetical protein
CD2162	504	0.53	3	0.997885957		putative acetyltransferase
CD3259	870	1.31	5	0.99772789		hypothetical protein
CD1474	546	0.54	3	0.997688525		putative ruberythrin
CD2151	1170	1.80	6	0.997484208		hypothetical protein
CD1524	546	0.56	3	0.997412981		putative ruberythrin
CD2422	1464	2.30	7	0.997404528	acp	sodium/proton-dependent alanine carrier protein