

**Table S6. Number of genes with a two-fold or greater change in RNA levels in the polygenic mutants**

		Strain			
Carbon source	Genes affected	<i>sin4Δ0 mot3-1</i>			
		1.2	<i>grr1-1</i>	2.3a	2.3b
Glucose	Up	416	182	145	167
	Down	158	79	62	82
Galactose	Up	474	133	146	184
	Down	426	139	78	133
Raffinose	Up	313	152	180	172
	Down	135	84	123	141

Shown for each strain is the number of genes whose RNA levels change by two-fold or more when the strains are grown in YP medium with the indicated carbon sources. The actual strains used are as follows: 1.2, FY3056; *sin4Δ0 mot3-1 grr1-1*, FY3061; 2.3a, FY3057; 2.3b, FY3058.