

TFname	ChIP-chip $p < 0.001$				ChIP-chip $p < 0.005$				ChIP-chip $p < 0.01$			
	Rsc3 AUC	Rsc3 pval	Rsc30 AUC	Rsc30 pval	Rsc3 AUC	Rsc3 pval	Rsc30 AUC	Rsc30 pval	Rsc3 AUC	Rsc3 pval	Rsc30 AUC	Rsc30 pval
Rsc1	0.920	<1E-12	0.858	<1E-12	0.760	<1E-12	0.760	<1E-12	0.773	<1E-12	0.782	<1E-12
Rsc2	0.968	<1E-12	0.970	<1E-12	0.857	<1E-12	0.859	<1E-12	0.816	<1E-12	0.816	<1E-12
Rsc3	0.934	<1E-12	0.929	<1E-12	0.864	<1E-12	0.860	<1E-12	0.837	<1E-12	0.841	<1E-12
Rsc8	0.738	2.7E-03	0.724	4.0E-03	0.673	1.4E-04	0.712	<1E-12	0.679	<1E-12	0.722	<1E-12
All RSC	0.968	<1E-12	0.970	<1E-12	0.857	<1E-12	0.859	<1E-12	0.816	<1E-12	0.816	<1E-12
Sth1	0.841	<1E-12	0.838	<1E-12	0.807	<1E-12	0.812	<1E-12	0.795	<1E-12	0.806	<1E-12

TFname	>70%ile fgd; <50%ile bgd				>75%ile fgd; <50%ile bgd			
	Rsc3 AUC	Rsc3 pval	Rsc30 AUC	Rsc30 pval	Rsc3 AUC	Rsc3 pval	Rsc30 AUC	Rsc30 pval
Rsc9	0.733	<1E-12	0.723	<1E-12	0.751	<1E-12	0.739	<1E-12
Rsc9_rapa	0.628	<1E-12	0.621	<1E-12	0.635	<1E-12	0.624	<1E-12
Rsc9_H2O2	0.546	<1E-12	0.543	<1E-12	0.549	<1E-12	0.544	<1E-12
Rsc9_alpha	0.644	<1E-12	0.637	<1E-12	0.666	<1E-12	0.656	<1E-12

Table S8. Intergenic regions that score high with Rsc3 and Rsc30 PBM k-mer data are enriched among RSC complex targets as determined by ChIP-chip. Rsc1,2,3,8 and Sth1 targets were identified at $p < 0.001$ by ChIP-chip experiments performed by Nget *et al.* (Genes and Development, 2002) while Rsc9 targets were identified by Damelin *et al.* (Molecular Cell, 2002) in various conditions and reported at percentile thresholds.