

**S1 Table:** Query sequences from *S. cerevisiae* and human used to search *Arabidopsis* and *O. sativa* genome for SAGA gene families.

	<b>Yeast</b>		<b>Human</b>		<b><i>Arabidopsis</i></b>		<b><i>O. sativa</i></b>
<b>Gcn5 (Ada4)</b>	NP_011768.1	GCN5/PCAF	NP_003875.3	At-Gcn5	NP_567002	Os-Gcn5	NP_001064604
<b>Ada1</b>	NP_015069.1	ADA1/STAF42	NP_444281.1	At-Ada1a	NP_179091	Os-Ada1a	NP_001067130
<b>Ada2</b>	NP_010736.1	ADA2b	NP_001479.3	At-Ada1b	NP_201542	Os-Ada1b	NP_001051362
<b>Ada3</b>	NP_010461.1	ADA3	NP_006345.1	At-Ada2b	NP_974561	Os-Ada2b	NP_001051287
<b>Spt3</b>	NP_010680.1	SPT3	NP_003590.1	At-Ada3	NP_194708	Os-Ada3	NP_001055276
<b>Spt7</b>	NP_009637.1	Spt7	NP_055675.1	At-Spt3	NP_171768	Os-Spt3	BAD53126
<b>Spt8</b>	NP_013156.1	SPT20/FAM48 A/p38IP	NP_060039.1	At-Spt20	NP_177383	Os-Spt20	NP_001041855
<b>Spt20 (Ada5)</b>	NP_014493.1	TAF5	NP_008882.2	At-Taf5	NP_197897	Os-Taf5	NP_001058217
<b>Taf5</b>	NP_009757.1	TAF6	NP_005632.1	At-Taf6	NP_171987	Os-Taf6	NP_001043168
<b>Taf6</b>	NP_011403.1	TAF9/TAF9b	NP_001015892.1	At-Taf6b	NP_175838		
<b>Taf9</b>	NP_013963.1	TAF10	NP_006275.1	At-Taf9	NP_175816	Os-Taf9	NP_001050338
<b>Taf10</b>	NP_010451.1	TAF12	NP_001128690.1			Os-Taf9b	NP_001060252
<b>Taf12</b>	NP_010429.1	TRRAP	NP_003487.1	At-Taf10	NP_194900	Os-Taf10	NP_001063238
<b>Tra1</b>	NP_011967.1	SGF29/STAF36	NP_612423.1	At-Taf12	NP_566367	Os-Taf12	NP_001044860
<b>Sgf29</b>	NP_009917.1	USP22	NP_056091.1	At-Taf12b	NP_849680	Os-Taf12b	NP_001044793
<b>Ubp8</b>	NP_013950.1	ATXN7L3	NP_001092303.	At-Tra1a	NP_179383	Os-Tra1	NP_001060452
<b>Sgf11</b>	NP_015278.1	ENY2	NP_064574.1	At-Tra1b	NP_680770		
<b>Sus1</b>	NP_878049.2	ATXN7	NP_000324.1	At-Sgf29a	NP_189382	Os-Sgf29	NP_001066601
<b>Sgf73</b>	NP_011449.1	Chd1	NP_001262.3	At-Sgf29b	NP_198871		
<b>Chd1</b>	NP_011091.1			At-Ubp22	NP_568239	Os-Ubp22	NP_001054070
				At-Sgf11	NP_200665	Os-Sgf11	NP_001055278
				At-Sus1	NP_189346	Os-Sus1	NP_001045218
				At-Chd1	NP_178970	Os-Chd1	EEE67748