

SUPPLEMENT B-1

Arabidopsis genes coded for small, secreted proteins

Gene/ORF name	Chr	Acronym	Length (bp)	CI ²	
				Calculated	Threshold
At1g73165	1	CLE1	222	0.606	0.358
At1g49005	1	CLE11	297	0.316	0.291
At1g63245	1	CLE14	240	0.784	0.339
At1g70895	1	CLE17	297	0.361	0.291
At3g24225	3	CLE19	222	0.647	0.358
At4g18510	4	CLE2	225	0.738	0.355
At1g05065	1	CLE20	249	0.348	0.330
At3g28455	3	CLE25	243	0.632	0.336
At3g25905	3	CLE27	273	0.480	0.309
At1g06225	1	CLE3	249	0.572	0.330
At2g31081	2	CLE4	240	0.638	0.339
At5g12990	5	CLE40	240	0.484	0.339
At2g31083	2	CLE5	243	0.476	0.336
At2g31085	2	CLE6	243	0.542	0.336
At2g31082	2	CLE7	258	0.719	0.322
At1g68765	1	IDA	231	0.637	0.348
AT_3 + 0 6441073-6441354	3	IDL4	279	0.430	0.304
AT_1 H 0 28919536-28919822	1	IDL5	285	0.421	0.299

- Names of annotated genes are obtained from TIGR (www.tigr.org). Gene with no gene names are given their ORF names with the following convention: species_chromosome|orientation|frame|coord_left coord_right.
- CI: Coding Index.

SUPPLEMENT B-2

Yeast sORF genes with evidence of translation

Gene name ¹	Length (bp)	CI ²		GFP ³ /TAP ⁴	Gene name ¹	Length (bp)	CI ²		GFP ³ /TAP ⁴
		Calculated	Threshold				Calculated	Threshold	
YBL026W	211	0.801	0.374	Both	YKL156W	172	0.569	0.421	Both
YBL071W-A	172	0.724	0.421	Both	YKR057W	187	0.972	0.404	Both
YBR085C-A	181	0.919	0.420	Both	YLL009C	133	0.646	0.472	Both
YBR089C-A	223	0.915	0.375	Both	YLL018C-A	220	0.770	0.381	Both
YBR233W-A	208	0.871	0.373	Both	YLR038C	175	0.660	0.415	Both
YCR020C-A	190	0.840	0.398	Both	YLR099W-A	187	0.689	0.404	Both
YCR020W-B	160	0.777	0.434	Both	YLR185W	190	0.737	0.398	Both
YDL045W-A	211	0.512	0.374	Both	YLR264W	127	0.962	0.467	Both
YDL061C	94	0.707	0.550	Both	YLR287C-A	115	0.989	0.502	Both
YDL181W	181	0.941	0.420	Both	YLR325C	160	0.993	0.434	Both
YDL232W	34	0.994	0.742	Both	YLR327C	184	0.731	0.409	Both
YDR016C	208	0.719	0.373	Both	YLR363W-A	181	0.783	0.420	Both
YDR070C	205	0.826	0.384	Both	YLR388W	94	0.551	0.550	Both
YDR079C-A	142	0.962	0.465	Both	YLR395C	160	0.810	0.434	Both
YDR086C	166	0.994	0.425	Both	YLR438C-A	193	0.692	0.404	Both
YDR139C	157	0.846	0.430	Both	YML009C	136	0.697	0.479	Both
YDR276C	91	0.698	0.559	Both	YML058W-A	130	0.919	0.484	Both
YDR320C-A	142	0.773	0.465	Both	YML081C-A	103	0.727	0.515	Both
YDR363W-A	193	0.983	0.404	Both	YMR174C	130	0.913	0.484	Both
YDR379C-A	163	0.571	0.435	Both	YMR175W	163	0.986	0.435	Both
YDR424C	202	0.700	0.389	Both	YMR225C	220	0.849	0.381	Both
YDR461W	34	0.913	0.742	Both	YMR256C	106	0.645	0.533	Both
YDR500C	190	0.653	0.398	Both	YMR286W	184	0.659	0.409	Both
YEL017C-A	55	0.721	0.655	Both	YNL015W	151	0.899	0.458	Both
YER019C-A	190	0.720	0.398	Both	YNL070W	106	0.861	0.533	Both
YER048W-A	208	0.923	0.373	Both	YNL211C	184	0.842	0.409	Both
YFL017W-A	157	0.933	0.430	Both	YNL259C	145	0.548	0.461	Both
YGL226C-A	184	0.511	0.409	Both	YNR034W-A	220	0.927	0.381	Both
YGR008C	178	0.997	0.425	Both	YOL077W-A	130	0.893	0.484	Both
YGR037C	187	0.996	0.404	Both	YOL159C-A	196	0.551	0.400	Both
YGR105W	157	0.576	0.430	Both	YOR045W	109	0.889	0.514	Both
YGR183C	124	0.696	0.495	Both	YOR159C	208	0.852	0.373	Both
YHR001W-A	157	0.722	0.430	Both	YOR167C	127	0.942	0.467	Both
YHR021C	172	0.785	0.421	Both	YOR182C	115	0.988	0.502	Both
YHR072W-A	100	0.969	0.541	Both	YOR210W	136	0.905	0.479	Both
YHR143W-A	136	0.884	0.479	Both	YOR304C-A	154	0.948	0.447	Both
YIL008W	223	0.949	0.375	Both	YPL046C	223	0.721	0.375	Both
YJL136C	187	0.957	0.404	Both	YPL047W	223	0.716	0.375	Both
YJL166W	208	0.713	0.373	Both	YPL271W	112	0.946	0.507	Both
YJR094W-A	202	0.863	0.389	Both	YPR043W	202	0.951	0.389	Both
YKL006C-A	217	0.653	0.365	Both	YPR052C	205	0.984	0.384	Both
YKL068W-A	160	0.643	0.434	Both	YPR182W	184	0.466	0.409	Both

- Names of annotated genes are obtained from SGD (<http://www.yeastgenome.org/>)
- CI: Coding Index.
- Translation is verified with green fluorescent protein (GFP) tagging experiment by Huh et al. 2003
- Translation is verified with tandem affinity purification (TAP) tagging experiment by Huh et al. 2003 Ghaemmaghami et al. 2003