

Table S5 Genes found in *A. gossypii* but not in *E. cymbalariae*.

A. gossypii genes with homologs in *S. cerevisiae* that are absent from *E. cymbalariae*

1	AAL068C	YHR035W
2	AAL112C	YOR258W (HNT3)
3	AAL128C	YBR072W (HSP26)
4	AAR033W	YPR127W
5	AAR084W	YMR303C (ADH2)
6	AAR086W	YGR097W (ASK10)
7	AAR129C	YDR415C
8	AAR183C	YIL014W (MNT3)
9	ABL084C	YJR142W
10	ABL090W	YBR046C (ZTA1)
11	ABL210C	YKL217W (JEN1)
12	ABR050W	YMR012W (CLU1)
13	ABR053C	YMR015C (ERG5)
14	ABR113C	YLL055W
15	ABR185W	YCL057W (PRD1)
16	ABR229C	YJR159W (SOR1)
17	ABR245C	YIL014W (MNT3)
18	ACL085C	YNL092W
19	ACL203C	YIL166C
20	ACL205C	YPR194C (OPT2)
21	ACR211W	YDR380W (ARO10)
22	ADL015C	YNL104C (LEU4)
23	ADL194W	YOL141W (PPM2)
24	ADL199W	YML005W
25	ADL258W	YNL065W (AQR1)
26	ADL328C	YPR062W (FCY1)
27	ADL362C	YGR161C
28	ADL392W	YHR202W
29	ADL397C	YBR072W (HSP26)
30	ADR020C	YIL014W (MNT3)
31	ADR079C	YDL144C
32	ADR119W	YBR284W
33	ADR142W	YMR064W (AEP1)
34	ADR199C	YDR421W (ARO80)
35	ADR205C	YOR062C

36	ADR229C	YOR079C (ATX2)
37	ADR237C	YHL039W
38	ADR286C	YML004C (GLO1)
39	ADR365W	YOR337W (TEA1)
40	AEL057C	YCR023C
41	AEL099W	YDR338C
42	AEL114C	YJL163C
43	AEL143W	YCR028C (FEN2)
44	AEL151C	YJL190C (RPS22A)
45	AEL171C	YJL059W (YHC3)
46	AEL345W	YIL014W (MNT3)
47	AER313C	YDR452W (PPN1)
48	AER338C	YMR209C
49	AER401W	YDR368W (YPR1)
50	AER409C	YDR022C (CIS1)
51	AER426C	YIL137C
52	AER444W	YIL166C
53	AER445C	YJR076C (CDC11)
54	AER459w	YBR072W (HSP26)
55	AFL158C	YAL067C (SEO1)
56	AFL160C	YPL248C (GAL4)
57	AFL204C	YHR096C (HXT5)
58	AFL235W	YIL014W (MNT3)
59	AFR045W	YHR132C (ECM14)
60	AFR206C	YKL140W (TGL1)
61	AFR228W	YKR093W (PTR2)
62	AFR322C	YGR138C (TPO2)
63	AFR333W	YKL217W (JEN1)
64	AFR415C	YJR062C (NTA1)
65	AFR437W	YBR072W (HSP26)
66	AFR506C	YFL014W (HSP12)
67	AFR548C	YGL202W (ARO8)
68	AFR561W	YMR226C
69	AFR633W	YBR072W (HSP26)
70	AFR675W	YNL274C
71	AFR726W	YDR525W-A (SNA2)
72	AGL027W	YPR194C (OPT2)
73	AGL049C	YGR017W
74	AGL050C	YGR019W (UGA1)

75	AGL087C	YGL012W (ERG4)
76	AGL142C	YPL058C (PDR12)
77	AGL143C	YLR130C (ZRT2)
78	AGL322W	YBL039W-B
79	AGL359C	YER187W
80	AGR108C	YER176W (ECM32)
81	AGR110W	YER175C (TMT1)
82	AGR235W	YIL166C
83	AGR250C	YGR111W
84	AGR297C	YKR070W
85	AGR329C	YHR179W (OYE2)
86	AGR407C	YPL154C

A. gossypii* genes absent from *S. cerevisiae* and *E. cymbalariae

87	ABL004W
88	ABL060C
89	ABL062C
90	ABL067C
91	ABL157W
92	ABL167C
93	ABR042W
94	ACL007C
95	ACL049W
96	ACL115W
97	ACL133W
98	ACL156W
99	ACL204W
100	ACR002C
101	ACR141W
102	ACR169C
103	ADL011W
104	ADL070C
105	ADL112W
106	ADL148C
107	ADL359C
108	ADL393W
109	ADL400W
110	ADR057W
111	ADR100C

112	ADR245W
113	ADR246C
114	ADR347C
115	AER099C
116	AER101W
117	AER160C
118	AER382W
119	AER455C
120	AFL013C
121	AFL028W
122	AFL126W
123	AFL137W
124	AFL164C
125	AFL233C
126	AFL234C
127	AFR048W
128	AFR070W
129	AFR079C
130	AFR164W
131	AFR170C
132	AFR288C
133	AFR311C
134	AFR476C
135	AFR622W
136	AFR740W
137	AFR742W
138	AFR746C
139	AGL037W
140	AGL048C
141	AGL084C
142	AGL146W
143	AGL277W
144	AGL309W
145	AGL366C
146	AGL367C
147	AGL368W
148	AGL369W
149	AGR013C
150	AGR055C

151	AGR090C
152	AGR124C
153	AGR404W
