

A table summarizing the findings of the validation study conducted by comparing publically available sequences with the Cotton46a EST assembly

gene name	genome	GenBank acc.	Cotton46a contig	blast evalue	mismatches	sites evaluated	%diff
B5	A	AY116167	Contig_21797_A	0	2	489	0.00408998
B5	At	AY116169	Contig_21797_At	0	3	523	0.00573614
B5	D	AY116168	Contig_54007_D	0	1	523	0.00191205
B7	A	AY117055	Contig_51818_A	0	1	615	0.00162602
B7	Dt	AY117058	Contig_51818_Dt	0	0	615	0
B7	At	AY117057	Contig_51818_At	0	1	615	0.00162602
B7	D	AY117056	Contig_51818_D	0	0	615	0
B8	A	AY115496	Contig_22616_A	3.00E-62	0	120	0
B8	Dt	AY115499	Contig_22616_Dt	3.00E-53	1	109	0.00917431
B8	D	AY115497	Contig_22616_D	3.00E-62	0	120	0
B8	At	AY115498	Contig_22616_At	3.00E-62	0	120	0
C3	A	AY117061	Contig_27205_A	1.00E-157	1	284	0.00352113
CesA1	A	EU626444	Contig_18567_A	0	1	533	0.00187617
CesA1	Dt	AY632360	Contig_18567_Dt	0	1	533	0.00187617
CesA1	D	EU626442	Contig_18567_D	0	0	533	0
CesA1	At	AY632359	Contig_18567_At	0	1	533	0.00187617
CesA2	A	AY138240	Contig_40547_A	1.00E-123	2	256	0.0078125
CesA2	At	AY138242	Contig_40547_At	0	7	518	0.01351351
CesA2	D	AY138241	Contig_40547_D	0	0	518	0
E11	A	AF517656	Contig_8458_A	6.00E-65	5	144	0.03472222
E11	Dt	AF517659	Contig_49048_Dt	4.00E-60	1	120	0.00833333
E11	D	AF517657	Contig_49048_D	7.00E-77	0	144	0
F12	A	AY116157	Contig_4987_A	1.00E-137	0	246	0
F12	Dt	AY116160	Contig_4987_Dt	8.00E-136	1	246	0.00406504
F12	D	AY116158	Contig_4987_D	1.00E-137	0	246	0
F12	At	AY116159	Contig_4987_At	2.00E-121	1	223	0.0044843
F4	A	AY117100	Contig_34253_A	5.00E-113	0	205	0
F4	Dt	AY117103	Contig_34253_Dt	1.00E-110	1	205	0.00487805
F4	D	AY117101	Contig_34253_D	1.00E-110	1	205	0.00487805
F4	At	AY117102	Contig_34253_At	5.00E-113	0	205	0
Myb1	A	AY115504	Contig_48656_A	0	2	585	0.0034188
Myb1	D	AY115503	Contig_31301_D	0	2	335	0.00597015
A1550	A	AF201890	Contig_25379_A	6.00E-134	0	241	0
A1550	At	AF201891	Contig_25379_At	1.00E-131	1	241	0.00414938
A1550	D	AF201892	Contig_37026_D	2.00E-133	0	240	0
A1623	A	AF139474	Contig_41536_A	1.00E-59	1	120	0.00833333
A1623	Dt	AF139477	Contig_41536_Dt	6.00E-62	0	120	0
A1623	At	AF139475	Contig_41536_At	4.00E-75	1	154	0.00649351
A1623	D	AF139476	Contig_41536_D	6.00E-62	0	120	0
A1751	A	AF139437	Contig_49337_A	2.00E-157	1	284	0.00352113
A1751	At	AF139438	Contig_49337_At	0	8	807	0.00991326
A1751	D	AF139439	Contig_49337_D	0	5	456	0.01096491
AdhA	A	EF457752	Contig_36154_A	0	1	414	0.00241546
AdhA	Dt	EF457754	Contig_36154_Dt	0	0	414	0
AdhA	At	EF457753	Contig_36154_At	0	1	414	0.00241546
AdhA	D	EF457751	Contig_36154_D	0	6	414	0.01449275
CelA1	D	AF139442	Contig_23048_D	2.00E-105	0	193	0
G1134	Dt	AF139430	Contig_4412_Dt	5.00E-129	0	232	0
G1134	At	AF139428	Contig_4412_At	8.00E-125	2	232	0.00862069
G1134	D	AF139429	Contig_4412_D	5.00E-129	0	232	0
CesABAC_02	At	AY632359	Contig_32982_At	0	2	657	0.00304414
CesABAC_02	D	EU626442	Contig_32982_D	6.00E-70	0	134	0
CesABAC_03	At	AY632359	Contig_48840_At	0	3	612	0.00490196
CesABAC_03	D	EU626442	Contig_48840_D	2.00E-117	0	213	0
CesABAC_07	D	EU626442	Contig_51983_D	9.00E-120	0	218	0
CesABAC_10	Dt	AY632360	Contig_43453_Dt	0	0	519	0
CesABAC_10	At	AY632359	Contig_43453_At	0	1	424	0.00235849
CesABAC_11	Dt	AY632360	Contig_4532_Dt	0	6	739	0.00811908
CesABAC_11	At	AY632359	Contig_4532_At	0	5	489	0.01022495
integralmembrane oxidoreductase	At	EF457753	Contig_6436_At	6.00E-115	1	212	0.00471698
oxidoreductase	D	EF457751	Contig_2545_D	0	0	448	0
protein disulfide	Dt	EF457754	Contig_39884_Dt	5.00E-164	0	292	0
protein disulfide	At	EF457753	Contig_39884_At	5.00E-164	0	292	0
protein disulfide	D	EF457751	Contig_39884_D	5.00E-164	0	292	0
PS2	Dt	EF457754	Contig_39637_Dt	2.00E-139	0	250	0
PS2	D	EF457751	Contig_39637_D	2.00E-139	0	250	0
PS2	At	EF457753	Contig_39637_At	2.00E-96	0	178	0