

Table 1 Suppl. The *cellulose synthase-like (Csl)* gene family identified and characterized in maize. CDS - coding sequence.

Nomenclature	Accession No. in <i>NCBI</i>	Length of CDS [bp]	Chromosome	Protein length [aminoacids]	Domain	Corresponding gene in rice
ZmCSLA1-1	NP_001131007.1	1542	4	515	glycosyl transferase	CSLA1
ZmCSLA1-2	NP_001183100.1	1614	3	537	glycosyl transferase	CSLA1
ZmCSLA2-1	XP_008664977.2	1545	1	514	glycosyl transferase	CSLA2
ZmCSLA2-2	XP_008664978.2	1446	1	481	glycosyl transferase	CSLA2
ZmCSLA3-1	XP_008649262.1	1623	6	540	glycosyl transferase	CSLA3
ZmCSLA3-2	XP_008649263.1	1611	6	536	glycosyl transferase	CSLA3
ZmCSLA3-3	XP_020395052.1	1731	6	576	glycosyl transferase	CSLA3
ZmCSLA4-1	NP_001130786.1	966	9	321	glycosyl transferase	CSLA4
ZmCSLA4-2	NP_001347619.1	1620	9	539	glycosyl transferase	CSLA4
ZmCSLA6-1	NP_001132315.1	1614	5	537	glycosyl transferase	CSLA6
ZmCSLA6-2	XP_008657506.1	525	8	174	glycosyl transferase	CSLA6
ZmCSLA6-3	XP_008681194.1	1611	5	536	glycosyl transferase	CSLA6
ZmCSLA6-4	XP_020398689.1	411	8	136	glycosyl transferase	CSLA6
ZmCSLA7-1	XP_008653381.1	1722	7	573	glycosyl transferase	CSLA7
ZmCSLA7-2	XP_020396877.1	1746	7	581	glycosyl transferase	CSLA7
ZmCSLA9	XP_008659807.1	1581	9	526	glycosyl transferase	CSLA9
ZmCSLA11-1	NP_001136470.1	1089	1	362	glycosyl transferase	CSLA11
ZmCSLA11-2	NP_001183513.2	1692	4	563	glycosyl transferase	CSLA11
ZmCSLA11-3	NP_001346969.1	1713	1	570	glycosyl transferase	CSLA11
ZmCSLC1-1	NP_001169244.2	2052	3	683	glycosyl transferase	CSLC1
ZmCSLC1-2	XP_008657194.1	2067	8	688	glycosyl transferase	CSLC1
ZmCSLC2-1	NP_001335706.1	1509	7	502	glycosyl transferase	CSLC2
ZmCSLC2-2	XP_008650958.1	2100	7	699	glycosyl transferase	CSLC2
ZmCSLC3-1	NP_001141327.1	1659	4	552	glycosyl transferase	CSLC3
ZmCSLC3-2	XP_008644464.1	2061	5	686	glycosyl transferase	CSLC3
ZmCSLC3-3	XP_008662691.2	2274	10	757	glycosyl transferase	CSLC3
ZmCSLC3-4	NP_001347177.1	2295	4	764	glycosyl transferase	CSLC3
ZmCSLC3-5	XP_023155870.1	1947	5	648	glycosyl transferase	CSLC3
ZmCSLC7	XP_008649860.1	2109	6	702	glycosyl transferase	CSLC7
ZmCSLC9	NP_001334935.1	2130	1	709	glycosyl transferase	CSLC9
ZmCSLD1	XP_008658791.1	3480	1	1159	RING/Ubox like zinc-binding	CSLD1
ZmCSLD2-1	NP_001104955.2	3231	1	1076	zinc-binding RING-finger	CSLD2
ZmCSLD2-2	NP_001105236.2	2952	3	983	Cellulose synthase	CSLD2

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ZmCSLD2-3	NP_001105621.2	3234	7	1077	zinc-binding RING-finger	CSLD2
ZmCSLD2-4	NP_001105672.1	3237	1	1078	zinc-binding RING-finger	CSLD2
ZmCSLD2-5	NP_001146633.1	885	2	294	cellulose synthase	CSLD2
ZmCSLD2-6	NP_001306681.1	3159	2	1052	zinc-binding RING-finger	CSLD2
ZmCSLD2-7	NP_001345017.1	3444	9	1147	RING/Ubox like zinc-binding	CSLD2
ZmCSLD3	XP_008664736.1	3441	1	1146	RING/Ubox like zinc-binding	CSLD3
ZmCSLD4-1	NP_001136615.1	1542	10	513	cellulose synthase	CSLD4
ZmCSLD4-2	XP_020405933.1	2286	3	761	cellulose synthase cellulose synthase	CSLD4
ZmCSLD4-3	NP_001346418.1	3654	10	1217	RING/Ubox like zinc-binding	CSLD4
ZmCSLD5	XP_008659557.1	2988	9	995	cellulose synthase	CSLD5
ZmCSLD6	XP_020400201.1	1878	9	625	cellulose synthase	CSLF9
ZmCSLD7	XP_020393266.1	804	5	267	cellulose synthase	CSLF3
ZmCSLE2	XP_020394267.1	2223	5	740	cellulose synthase	CSLE2
ZmCSLE6	NP_001147894.1	2181	7	726	cellulose synthase	CSLE6
ZmCSLF1	XP_008653206.1	2712	7	903	cellulose synthase	CSLF1
ZmCSLF3-1	NP_001147926.1	2574	7	857	cellulose synthase	CSLF3
ZmCSLF3-2	XP_008671789.1	2682	2	893	cellulose synthase	CSLF3
ZmCSLF6-1	NP_001308343.1	2850	4	949	Cellulose synthase	CSLF6
ZmCSLF6-2	NP_001315306.1	2838	10	945	Cellulose synthase	CSLF6
ZmCSLF7	XP_008664938.1	2520	1	839	Cellulose synthase	CSLF7
ZmCSLF8-1	XP_008653203.1	2706	7	901	Cellulose synthase	CSLF8
ZmCSLF8-2	XP_008653204.1	2427	7	808	Cellulose synthase	CSLF8
ZmCSLH1-1	XP_008669410.1	2355	2	784	Cellulose synthase	CSLH1
ZmCSLH1-2	XP_008669411.1	2346	2	781	Cellulose synthase	CSLH1

Table 2 Suppl. A protein-protein interaction network of maize cellulose synthase-like (ZmCsl) proteins constructed using the data from the STRING database.

Node	Annotation
GRMZM2G025016_P01	annotation not available
umc1280	hypothetical protein LOC100382039
Zm.21995	eukaryotic translation initiation factor 4G-like
GRMZM2G157061_P01	eukaryotic translation initiation factor isoform 4G-like
Zm.124287	eukaryotic translation initiation factor 4G-like
GRMZM2G420391_P01	annotation not available
GRMZM2G424155_P01	annotation not available
GRMZM2G433702_P01	annotation not available
GRMZM2G467943_P01	uncharacterized protein
GRMZM5G821988_P01	eukaryotic translation initiation factor 4G-like