

表 1 大豆 GST 基因的结构域及其启动子中 ABRE, DRE, ERE, LTRE, MYB 和 MYC 元件的数量分布

Table 1 Domain in GST genes and distribution of ABRE, DRE, ERE, LTRE, MYB, and MYC cis-acting elements in soybean GST gene promoters

基因序列号 Gene ID number	结构域(Pfam) Domain (Pfam)	ABR	DRE	ERE	LTRE	MYB	MYC
Glyma01g04690	GST-N(02798),GST-C(00043)	2	0	1	1	2	28
Glyma01g04700	GST-N, GST-C	6	0	2	2	17	22
Glyma01g04710	GST-N, GST-C	1	0	3	0	18	16
Glyma01g26220	GST-N, GST-C	0	0	0	1	11	8
Glyma01g26230	GST-N, GST-C	5	0	3	0	7	8
Glyma01g34360	GST-N	1	0	0	0	17	20
Glyma02g02860	GST-N, GST-C	1	1	1	1	11	8
Glyma02g02870	GST-N	2	0	3	0	21	12
Glyma02g02880	GST-N, GST-C	0	1	2	2	22	14
Glyma02g11045	GST-N	8	2	0	3	12	34
Glyma02g17330	GST-N, GST-C	0	0	2	1	15	18
Glyma02g17340	GST-N, GST-C	3	0	0	2	21	22
Glyma02g33780	GST-N, GST-C	4	0	0	4	12	8
Glyma02g40760	GST-C	3	2	0	2	26	16
Glyma02g45328	GST-N, GST-C	5	0	1	0	24	34
Glyma02g45336	GST-N, GST-C	2	0	1	0	14	18
Glyma03g16563	GST-N, GST-C	2	0	1	0	15	12
Glyma03g16600	GST-N, GST-C	0	0	1	1	10	10
Glyma03g33340	GST-C	0	4	3	5	8	16
Glyma05g29370	GST-N, GST-C	1	2	1	6	20	10
Glyma05g29381	GST-N, GST-C	4	0	0	2	17	10
Glyma05g29390	GST-N, GST-C	1	1	0	2	10	12
Glyma05g29400	GST-N, GST-C	2	0	0	0	9	23
Glyma05g37905	GST-N	2	0	1	0	20	12
Glyma05g37910	GST-N	3	1	0	1	9	14
Glyma06g10390	GST-N	10	2	2	2	9	20
Glyma06g12400	GST-N, GST-C	0	0	3	0	18	20
Glyma06g20730	GST-N	0	0	0	0	10	22
Glyma07g08202	GST-C	1	2	2	1	19	12
Glyma07g16800	GST-N, GST-C	1	0	2	1	10	18
Glyma07g16810	GST-N, GST-C	3	0	2	2	17	20
Glyma07g16830	GST-N, GST-C	8	0	1	0	13	26
Glyma07g16840	GST-N, GST-C	2	0	0	0	6	4
Glyma07g16850	GST-N, GST-C	1	0	0	0	12	6
Glyma07g16855	GST-N, GST-C	4	0	1	1	15	12
Glyma07g16860	GST-N, GST-C	3	0	1	0	15	8
Glyma07g16876	GST-N	5	0	3	2	11	8
Glyma07g16910	GST-N, GST-C	2	2	2	2	5	6
Glyma07g16925	GST-N, GST-C	2	0	5	0	9	14
Glyma07g16940	GST-N, GST-C	3	0	1	0	4	4
Glyma07g34820	GST-C	0	0	1	0	15	8
Glyma08g01691	GST-N	3	1	1	2	21	18
Glyma08g12510	GST-N, GST-C	3	0	0	1	14	16
Glyma08g12520	GST-N, GST-C	2	1	1	1	15	22
Glyma08g12530	GST-N, GST-C	0	0	1	1	14	24
Glyma08g18640	GST-N, GST-C	1	0	0	2	20	26
Glyma08g18660	GST-N, GST-C	2	0	2	0	18	10

续表 1

Continuing table 1

基因序列号 Gene ID number	结构域(Pfam) Domain (Pfam)	ABR	DRE	ERE	LTRE	MYB	MYC
Glyma08g18671	GST-N, GST-C	1	0	0	6	18	26
Glyma08g18680	GST-N, GST-C	0	0	0	0	23	28
Glyma08g18690	GST-N, GST-C	2	0	1	0	5	8
Glyma08g41960	GST-N, GST-C	4	0	2	0	13	36
Glyma08g41970	GST-N, GST-C	3	0	2	0	16	8
Glyma10g02460	GST-N, GST-C	0	0	4	0	5	20
Glyma10g04570	GST-N, GST-C	7	0	1	1	7	16
Glyma10g05480	GST-C	0	0	1	2	16	6
Glyma10g33650	GST-N, GST-C	5	0	2	0	13	14
Glyma10g33691	GST-C	1	0	1	0	11	6
Glyma11g31330	GST-N, GST-C	7	3	2	0	15	18
Glyma11g33260	GST-N, GST-C	11	0	1	4	17	4
Glyma13g09650	GST-N, GST-C	6	0	1	1	13	6
Glyma13g15550	GST-C	3	0	1	2	10	14
Glyma13g19130	GST-N, GST-C	2	0	2	1	11	10
Glyma13g19830	GST-C	4	0	0	0	9	14
Glyma13g19840	GST-C	3	3	3	2	12	10
Glyma14g03461	GST-C	1	0	1	0	25	28
Glyma14g03470	GST-N, GST-C	12	0	1	0	20	30
Glyma14g24620	GST-C	2	0	0	1	11	6
Glyma14g31915	GST-C	4	2	0	1	25	12
Glyma14g39090	GST-N, GST-C	3	0	0	1	27	28
Glyma15g40190	GST-N, GST-C	1	0	1	0	7	10
Glyma15g40200	GST-N, GST-C	26	1	2	1	8	24
Glyma15g40220	GST-N, GST-C	0	0	1	0	19	24
Glyma15g40240	GST-N, GST-C	0	0	1	0	9	12
Glyma15g40250	GST-N, GST-C	1	2	1	1	30	16
Glyma15g40260	GST-N, GST-C	6	0	2	0	14	30
Glyma15g40280	GST-N	1	0	0	0	27	20
Glyma15g40290	GST-N, GST-C	5	0	1	0	16	16
Glyma15g40305	GST-C	2	0	3	0	12	10
Glyma17g00691	GST-N, GST-C	2	0	1	0	11	10
Glyma17g00700	GST-N, GST-C	0	1	1	1	12	12
Glyma17g04680	GST-N, GST-C	1	2	4	2	10	4
Glyma18g04960	GST-N, GST-C	5	0	1	0	17	20
Glyma18g05820	GST-N, GST-C	3	0	0	2	9	10
Glyma18g13620	GST-N, GST-C	0	0	1	0	14	12
Glyma18g13630	GST-N, GST-C	0	2	2	3	7	10
Glyma18g13640	GST-N, GST-C	1	3	0	3	15	6
Glyma18g16850	GST-N, GST-C	0	0	0	0	18	24
Glyma18g41340	GST-N, GST-C	1	1	4	0	6	24
Glyma18g41350	GST-N, GST-C	0	0	2	0	15	10
Glyma18g41410	GST-N, GST-C	4	1	2	1	8	16
Glyma19g36080	GST-C	4	1	0	0	23	16
Glyma20g02490	GST-N, GST-C	1	0	4	3	21	8
Glyma20g23420	GST-N, GST-C	1	0	3	1	9	18
Glyma20g33951	GST-N	7	2	0	3	7	20