

Supplementary Material to "Comparative genome analysis of the SPL gene family reveals novel evolutionary features in maize"

Table S5 - Detailed information of the 20 motifs identified in *ZmSPLs*

Motif	Width	Conserved amino acid sequences
1	41	GQEQRFCQQCSRFLLAEFDEKKRSCRKRLAGHNRRRRKPKQ
2	21	KDYHRRHKVCEMHSKAPVVVV
3	80	TDKIVFKLFGKEPKDFPPNLRQILNWLKHYPTDMESYIRPGCIILTIYLRMPNWMWD ELEENMAQWINKLINSSNDDFW
4	15	PRCQVEGCKADL SRC
5	80	KVYLFTPMPGPSNITPLHIAATIEDAEDVLDALTDPPQQIGITCWKNARDETGF TPE EYARKRGHNSYIELVQKKIDKM
6	41	YMLSMMIAIAAVCVVGIIMKTLPRVYAMKTFKWEKIEWGPM
7	42	MTKEDVTDYCLIRFPMWRFRWLLVFAMEREWCAVIKMLLDIM
8	112	DVSTKVGTTITGQVHLDKSHMFNAIPTLSHGKDEPWPMKGLDMSISASKFDGAADLQ HALSLLSAGACGLPDSVHQTSCIIQFNGASENSSDLHVTHGRNSGPASCADAQHIA
9	57	NYPKILCVTPIAVPYSQTINFIVKGFNLVIPTTKLICTFEGKYIIQEETCMAYENTI
10	200	QTVPSTMDLLGVFPTGFATSTPETNTSQSQGSSDSSGNNKSKSHSTEPVTVVNSHDKS TRDFPAAGFMRSNSTQESRPHIYKQTEQETRPYLSLQLFGSTEEDFPPKMDSINKYLSS ESSNPLDERSPSSSPITRKFPIHSVDEEVRPHITDYGEDATMGEVSTNQAWCAPPL DLFKDLERPIENGSPNPGYQSCY
11	17	VIGLKLGRKTYFEDACG
12	159	NYLLSLIGICANMNSDNVQNANGQELLSTLLKNLGSVAKSLEPKELCKFLEAYQSL QNGLNAGTSGIANGTEEAAGPSNSKLPFVNDSHCGQASSSVVPVQSKATIVVTPEPAS CKLKDFDLNDTCNDMEGFEDGQEGSPTPAFKTADSPNCASWMQQ
13	29	RGFIEVEDYGFSNGFFPFIAEKDVCSEI
14	29	PMEMVLEENLLHTAVKRKSKNMVHFLRLRY
15	15	DSNCALSLLSTQPWD
16	20	YRSQHLHFLNELGWLLQRNN
17	33	PDAFTFASARLPSTFYDDRRQISFVWNAKPYSH
18	18	WDPNLWDWDNHAFTATPS
19	78	NQENAAARTQDIVNLITVIARLQGSNVGKVP SIPPDKQNLVEIISKINSFNNMTSPDK SPPPEVVLDLTLQE QREQ
20	24	QEPGRFRSFMLDFS YPRVPSAMRD