



Genotyping and Bio-Sensing Chemosensory Proteins in Insects

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Table S1. Repertoire of 19 CSP sequences identified by *in silico* analysis of the beetle genome database (BeetleBase, <http://www.hgsc.bcm.tmc.edu>). * Length (in bps) corresponds to the coding region of the gene from start (ATG) to stop codon (TAA).

Gene name	Length *	n introns	Scaffold Nb	Acc. Nb (EST)
<i>AAJJ0012A</i>	406	1	AAJJ01000012.1	ABH88191
CSP03				ES549186
TcasCSP18				NM_001045821
TcCSP7R				NP_00139286.1
				XM_967752
<i>AAJJ0012B</i>	406	1	AAJJ01000012.1	ABH88190
CSP04				NM_001045819
TcasCSP17				NP_001039284.1
TcCSP7Q				XM_967624
<i>AAJJ0012C</i>	413	1	AAJJ01000012.1	ABH88182, ABH88189
CSP05				NM_001045818
TcasCSP9				NP_001039283.1
TcasCSP16				XM_967584
TcCSP7P				XM_008197998.2
<i>AAJJ0012D</i>	478	1	AAJJ01000012.1	ABH88188
CSP08				NM_001045826
TcasCSP15				NP_001039291.1
TcCSP7O				
<i>AAJJ0012E</i>	413	1	AAJJ01000012.1	ABH88187
CSP02				NM_001045817
TcasCSP14				NP_001039282.1
TcCSP7N				XM_967541
<i>AAJJ0012F</i>	406	1	AAJJ01000012.1	ABH88186
CSP06				NM_001045816
TcasCSP13				NP_00139281.1
TcCSP7M				XM_967497
<i>AAJJ0012G</i>	416	1	AAJJ01000012.1	ABH88185
CSP09				AJ973445.1
ORF2				CB336464
TcasCSP12				NM_001045815
TcCSP7L				NP_001039280.1
				XM_967442
<i>AAJJ0012H</i>	416	1	AAJJ01000012.1	ABH88184
CSP01				NM_001045814

TcasCSP11	NP_001039279.1
TcCSP7K	XM_967394

Table S1. Cont.

<i>AAJJ0012I</i>	422	1	AAJJ01000012.1	ABH88183
CSP07				DN650811-ES550426
TcasCSP10				NM_001045813
TcCSP7J				NP_001039278.1
				XM_967340
<i>AAJJ0012J</i>	327	1	AAJJ01000012.1	XM_008198119
LOC103313838				
<i>AAJJ0269A</i>	436	1	AAJJ01000269.1	ABH88177
CSP11				NM_001045820
TcasCSP4				NP_001039285
TcCSP7G				XM_967744
<i>AAJJ0269B</i>	471	1	AAJJ01000269.1	ABH88178
CSP14				NM_001045822
TcasCSP5				NP_001039287
TcCSP7F				XM_967788
				XM_015981290
<i>AAJJ0269C</i>	819	1	AAJJ01000269.1	ABH88179
CSP13				DT794283-ES548097
TcasCSP6				NM_001045823
TcCSP7E				NP_001039283
				XM_967831
				XM_008195554
<i>AAJJ0269D</i>	416	1	AAJJ01000269.1	ABH88180
CSP12				NP_001039289
TcasCSP7				NM_001045824
TcCSP7D				XM_967868
				XM_008195555
<i>AAJJ0269E</i>	325	1	AAJJ01000269.1	ABH88181
CSP16				NM_001045825
TcasCSP8				NP_001039290
TcCSP7C				XM_967938
<i>AAJJ0283A</i>	390	1	AAJJ01000283.1	ABH88192
TcasCSP19				NM_001045811
TcCSP7A				NP_001039276
				XM_965061
<i>AAJJ0283B</i>	406	1	AAJJ01000283.1	ABH88193
CSP18				DN651210-ES551268
TcasCSP20				G6824.81
TcCSP7B				NM_001045809
				NP_001039274
				XM_961519
				XM_008201895

Table S1. *Cont.*

<i>AAJJ0330A</i>	399	0	AAJJ01000330.1	ABH88176
CSP20				CAJ01491
TcasCSP2				CB334791- CB337098
TcCSP3A				DQ855489
				NM_001045812
				NP_001039277
				XM_967323
<i>AAJJ1796A</i>	367	2	AAJJ010001796.1	ABH88175
CSP17				DN651433-EC010405
TcasCSP1				NM_001045808
TcCSP2A				NP_001039273
				XM_008202712