

Additional file 1: Table S1. Primer sequences used for qRT-PCR analysis of selected Car_Chit genes.

Gene / primer	Sequence (5'->3')	Length	Tm	Product length
Car_Chit-4-FW	TGGTAGGGTTGGTTTGGTGG	20	59.81	111
Car_Chit-4-Rv	GATGCACCATCAATCTCTTCAAT	23	57.23	111
Car_Chit-3-FW	TCACGCTCTCAAACCTCGCTA	20	59.12	114
Car_Chit-3-Rv	CTTTGCAATTCGGCCAAGACA	21	60	114
Car_Chit-11-FW	TTTTCGAGCCGCAGGGTTTT	20	61.1	92
Car_Chit-11-Rv	TTTGCTGCCAACATGTCCAAG	21	59.93	92
Car_Chit-13-FW	GAGGCGGAGCAGGAAGTTAC	20	60.46	93
Car_Chit-13-Rv	TTGACGTGCCACCCAAGAAA	20	60.39	93
Car_Chit-14-FW	TTGGTGGTGGGAATTGGAAGCTA	22	59.89	101
Car_Chit-14-Rv	TGAAGATGACTTGCCACCCAA	21	59.86	101
Car_Chit-20-FW	TGCAGCTGCTAAGTATTTCCCT	22	59.76	108
Car_Chit-20-Rv	CCACCTGTCGTTTCGTGAGA	20	59.97	108
Car_Chit-27-FW	GGTGCCGGAAGCTACTCAAT	20	60.11	118
Car_Chit-27-Rv	CGAGAACAGCAGGACCAAGA	20	59.68	118
Car_Chit-12-FW	GACACAGCATGTCCTGCCAA	20	60.89	120
Car_Chit-12-Rv	AGCAGCTATCTCACGTTTTCTTG	23	59.32	120
Car_Chit-17-FW	CGGAATCGGGTCATGGATCA	20	59.61	120
Car_Chit-17-Rv	GCTTCAGCTCCAACCCCAT	19	60	120
Car_Chit-19-FW	TAGCCAAGCCAGTAGTCGCA	20	61.25	91
Car_Chit-19-Rv	CTCCCAATCAAGATCAAGGCCA	22	60.36	91
Car_Chit-28-FW	CGAGGCCTTGTCACAACCAA	20	60.82	117
Car_Chit-28-Rv	TGGAGTAATGTAGCCGAGCA	20	58.52	117

Primer naming has been standardized for consistency across the supplementary files (for example, Car_Chit-11-FW).