

Table S1: Gene expression in *cactus*-, *caspar*-, *cactus/re11*- and *caspar/re12*-silenced mosquitoes

A. Comparisons of array-derived and real time PCR-derived gene expression values in *cactus*-silenced mosquitoes and real time PCR-derived gene expression values in *cactus/re11* double silenced mosquitoes.

Gene	<i>Array ratio</i>	<i>Single KD ratio</i>	<i>Double KD ratio</i>
Tep1	2.66	2.51	0.70
Cec1	2.75	2.23	0.60
CLIPA9	2.75	1.85	0.92
Tep3	3.01	3.25	1.43
Def1	2.99	4.23	0.54
ClipD3	0.60	0.14	0.23
CathD	2.79	3.14	0.28
7024	0.24	0.37	3.06
Fz2	2.73	2.43	1.12
2325	0.67	0.89	0.37
7709	0.27	0.09	0.59
LRRD7	2.66	2.87	0.02
Gam	1.39	1.71	0.03
Fbn37	2.62	6.28	0.29
5159	0.67	1.27	0.05
Fbn9	1.01	1.01	2.04
cec3	3.01	1.91	0.84
Irim1	0.96	1.18	
202	0.65	1.04	1.27

B. Comparisons of array-derived and real time PCR-derived gene expression values in *caspar*-silenced mosquitoes and real time PCR-derived gene expression values in *caspar/re12* double silenced mosquitoes.

Gene	<i>Array ratio</i>	<i>Single KD ratio</i>	<i>Double KD ratio</i>
Tep1	1.42	2.02	1.63
Cec1	2.28	2.50	0.90
CLIPA9	2.13	2.27	0.39

Tep3	1.74	4.82	1.98
Def1	2.25	3.03	0.45
ClipD3	0.65	0.87	0.07
CathD	0.65	0.85	0.13
7024	0.80	0.55	0.39
Fz2	1.85	3.56	0.49
2325	0.47	0.75	0.94
7709	1.24	1.07	2.82
LRRD7	0.50	0.40	0.69
Gam	1.26	2.00	0.38
Fbn37	1.92	3.43	0.31
5159	1.05	1.01	1.20
Fbn9	0.50	0.23	3.15
Cec3	2.89	2.17	0.35
Irim1	1.19	1.07	
202	0.54	0.59	1.03
PGRP-LC	0.87	0.97	