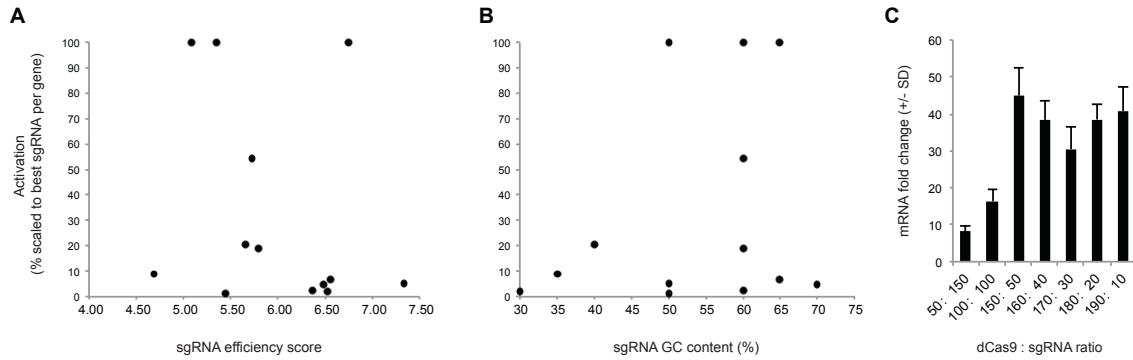
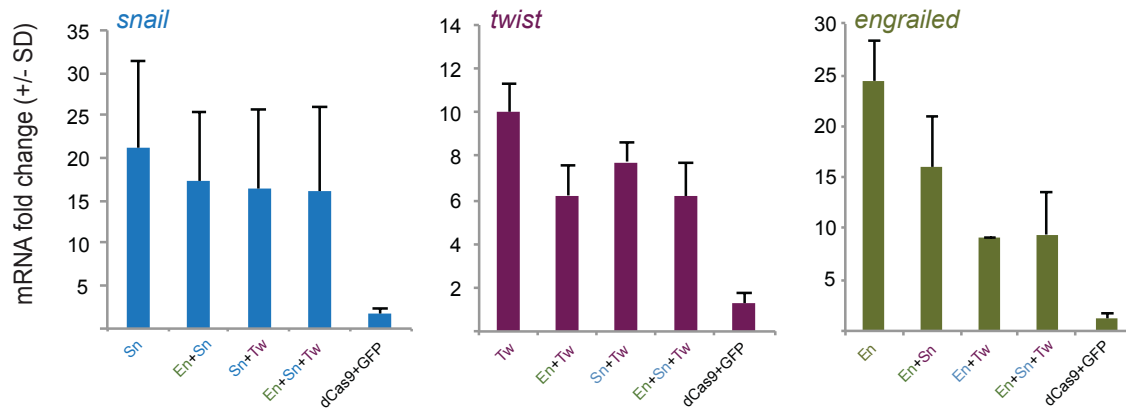


**Figure S1. Cas9 activation of target genes is inversely proportional to basal expression levels.** The activation level (fold change) is plotted against the relative expression level for four genes tested in parallel. Relative expression levels are estimated based on the difference in Ct values between the basal expression level of the target gene and a control gene, *Rp49*.



**Figure S2. sgRNA effectiveness is not related to nuclease efficiency or GC content, and sgRNAs are not rate limiting in these experiments.** (A) 13 sgRNAs targeting 3 genes (*QUAS:luciferase*, *twist*, and *engrailed*) are shown plotted against the predicted nuclease efficiency score. The activation for each sgRNA is shown as a percentage of the best-performing sgRNA for that gene. There is no correlation between sgRNA activation and efficiency score. (B) The same sgRNAs as in (A) are shown plotted against sgRNA GC content, revealing no correlation. (C) dCas9-VPR activation is robust over a wide range of dCas9 : sgRNA ratios, indicating that sgRNA availability is not limiting in our experiments.



**Figure S3. Simultaneous activation of multiple target genes using multiplexed guides.** Three endogenous genes (*sna*, *twi*, and *en*) were robustly activated when activated using pairs of sgRNAs or a pool of three sgRNAs.

**Table S1 sgRNAs used in this study.** Distances from TSS are based on BDGP Release 6 (August 2014).

Gene targeted	sgRNA sequence (including PAM)	Distance from TSS (from 3' end of PAM)	Strand	Efficiency Score
wg	CCCCGATCCGATCGCATCGTCGG	-78	minus	4.85
	GCAGCTGCAATGCAGGAGTCAGG	-145	plus	4.07
wg	ATGAGGTTGCGCAAATAATCGGG	-363	plus	6.79
	GGAAATGGAAAACTCTGCCCGG	-337	minus	4.26
wg	TATATATTGTATCGTAAATTTGG	125	minus	5.33
	ATTTGTGCGATTAATTCCGCTGG	206	minus	5.79
wg	GCTGCTGACAAACGCAGAGTCGG	22	plus	5.39
	CGTGTGTTTCAGTTAAGCGTTGG	15	plus	7.97
hnt	GCGCAAATAGGATTACACATTGG	-251	minus	4.63
	GGCCGTA CT CATCTTT CATTGG	-304	minus	3.41
hnt	GAGAGAAGAGAGAAGCAGTCTGG	-131	minus	4.55
	ATTTGAAACGAAGAATGAGAAGG	-180	plus	5.30
hnt	AGTTGTATTTATAAATACAACGG	34	minus	4.86
	TGCGTTTGATATTTCTTTGTAGG	173	minus	6.56
hnt	GCCTAAAACAGTGCGAAATCCGG	444	plus	4.81
	AACAGTGCGAAATCCGGAGTTGG	450	plus	5.66
QUAS (#1)	CTCGGGTAATCGCTTATCCTCGG	-103	plus	5.45
QUAS (#2)	CGGATAACAATTATCCTCACGG	-141	plus	4.69
QUAS (#3)	CCAACGCGTTGGGAGCTCTCCGG	-197	plus	5.35
engrailed (isoform A)	GCGTAACTCTCCCCGACGTCGG	-20	plus	5.72

engrailed (isoform A)	AACTGTCACGGTGAAAGAGAGG	-78	minus	5.09
engrailed (isoform A)	GGCGAGATCCCACAAGTAGCTGG	-121	minus	5.80
engrailed (isoform A)	AGCGAAAATCGATCAGTGTAAAGG	-210	plus	5.65
engrailed (isoform A)	GCTCACTCACTCCTATTAGCTGG	-300	minus	7.33
twist (isoform B)	CAAAATGTCAATTTGAGCAATGG	-14	plus	6.52
twist (isoform B)	GCGGGACGACGATAGAGCGGCGG	-61	plus	6.48
twist (isoform B)	GCCATCCCGCTCCCACTCAATGG	-122	minus	6.56
twist (isoform B)	GCATCGGCAGGTATGACGTCAGG	-156	minus	6.75
twist (isoform B)	ATTTTCTCGAGCGGCAGCGGCGG	-191	minus	6.37
per	GAGTGAGTGTGAGAAAATTCTGG	-50	minus	5.85
per	CCGCCGTCGCTGAGAATCGCTGG	-104	plus	6.38
per	TCGCTCGGGAAAATCGCTGGTCGG	-136	plus	6.03
per	TTCGCCAAGGGTTAATGTTTGG	-151	minus	6.05
y	CATTGGCCTGTCTTCGTCTTCGG	-46	minus	6.83
y	ACGAAGGCGCGCCAACTTCGG	-101	plus	7.86
y	ATTCGGGTGGTTCAGTGTTCGGG	-135	plus	6.55
y	CGCAAAGTTGGCCGATCTATGGG	-157	minus	4.45
Os	TACCGCTCGTCGGCACTCGGCGG	-39	minus	4.91
Os	ATTCAGATCCGAAGAACCGCAGG	-131	plus	6.27
en	GCGTTAACTCTCCCCGACGTCGG	-19	minus	5.72
en	AACTGTCACGGTGAAAGAGAGG	-77	plus	5.09
en	GGCGAGATCCCACAAGTAGCTGG	-120	plus	5.80
en	AGTGAGTGAGTGACAGCAGTTGG	-164	plus	4.10
en	AGCGAAAATCGATCAGTGTAAAGG	-209	minus	5.65
en	GCTCACTCACTCCTATTAGCTGG	-299	plus	7.33

AttC	TATAGCAATCTATCTCTGAGTGG	-48	plus	6.52
AttC	TATAAATTGGTATTTCATTGTCGG	-63	minus	6.64
AttC	AGCTGAGCAATGTTTCGCACTGG	-138	plus	5.61
AttC	GTGAACCACCTGGTCATTGCGGG	-140	minus	9.39
AttC	ATCCCCTTGAACTACTTGCCGG	-209	plus	6.92
AttC	TAAAATTTGAACTACTCATTGG	-338	minus	6.22
Dro	CGAATCTCTTGTTCATCGATGG	-39	minus	4.31
Dro	AACATGAAAAGTCCCAAGATGG	-101	minus	3.56
Dro	GCCGGTGATTCCCATCTTGGGG	-112	plus	4.30
Dro	ATCAACGAATAGGCGACTGAAGG	-151	plus	5.78
Dro	GCTGCGTAGTTTACATCATTGG	-220	plus	5.30
sna	CCGACGCCGCTGTCGCCATTTGG	-68	plus	7.39
sna	TCCATTTCCACCTCTCTCTCGG	-235	plus	8.15
sna	AAAGTGCTGTTGTTGTTGCTAGG	-117	minus	7.14
sna	GAAATACGCAATAAGGGTATGGG	-141	minus	5.39
sna	GAGAGAGAGAGTGAGAGAGCAGG	-179	minus	5.96

**Table S2 qPCR primers used in this study.**

<b>Gene targeted</b>	<b>Forward Primer</b>	<b>Reverse Primer</b>
<i>Rp49</i>	ATCGGTTACGGATCGAACAA	GACAATCTCCTTGCGCTTCT
<i>wingless</i>	CCAAGTCGAGGGCAAACAGAA	TGGATCGCTGGGTCCATGTA
<i>hindsight</i>	ACATCCGGTGCCACAATTA	AGGGATGAAGCCGAGGATAGC
<i>snail</i>	CGGAACCGAAACGTGACTAT	CCTTTCCGGTGTTTTTGAAG
<i>twist</i>	AAGTCCCTGCAGCAGATCAT	CGGCACAGGAAGTCAATGTA
<i>engrailed</i>	TCCGTGATCGGTGACATGAGT	CGCCGACGTATCATCCACATC
<i>period</i>	GACTCGGCCTACTCGAACAG	CGCGACTTATCCTTGTTGCG
<i>yellow</i>	TACCTGTTGGAGTCGAACACT	GTGGCCGGAATCCCATCAC
<i>Os aka upd1</i>	GTCGGATAAAGTAGCTAACTTGAA	AAACTTCAAGTTAGCTACTTTATC
<i>Attacin-C</i>	CGCCACCCAGAATCTACAGG	CTTAGGTCCAATCGGGCATCG
<i>Drosocin</i>	GTCGGCAACAAGAGATTCTGAATGGG	AAACCCATTCTGAATCTCTTGTGTC

**Table S3 Differentially expressed genes following activation of *snail*, *twist*, and *snail* + *twist* (p-value cutoff = 0.05).**

dCas9-activated TF	Differentially Expressed Gene	Flybase ID	CG number	Fold Change (Log2)	ChiP Peak
<i>snail</i>	sna	FBgn0003448	CG3956	10.06567708	Yes
<i>snail</i>	l(2)05510	FBgn0028622	CG13432	6.019522795	
<i>snail</i>	esg	FBgn0001981	CG3758	5.438088815	Yes
<i>snail</i>	pyr	FBgn0033649	CG13194	4.320828812	Yes
<i>snail</i>	ldgf4	FBgn0026415	CG1780	3.772949815	
<i>snail</i>	CG31808	FBgn0062978	CG31808	3.481828608	
<i>snail</i>	htl	FBgn0010389	CG7223	2.706344789	Yes
<i>snail</i>	Ggamma30A	FBgn0267252	CG3694	1.88490427	
<i>snail</i>	if	FBgn0001250	CG9623	1.361821658	
<i>snail</i>	CG31516	FBgn0051516	CG31516	1.332014094	Yes
<i>snail</i>	Ama	FBgn0000071	CG2198	1.282418899	Yes
<i>snail</i>	CG13928	FBgn0035246	CG13928	0.945532592	Yes
<i>snail</i>	tok	FBgn0004885	CG6863	0.785310731	Yes
<i>snail</i>	dally	FBgn0263930	CG4974	0.761523509	Yes
<i>snail</i>	CG3624	FBgn0034724	CG3624	0.710650399	
<i>snail</i>	CG5455	FBgn0039430	CG5455	0.701973435	
<i>snail</i>	hoe1	FBgn0041150	CG12787	0.683715599	
<i>snail</i>	CG5895	FBgn0036560	CG5895	0.535425178	
<i>snail</i>	CG3800	FBgn0034802	CG3800	-0.419648113	
<i>snail</i>	CG12099	FBgn0035232	CG12099	-0.428194298	
<i>snail</i>	CG5118	FBgn0031317	CG5118	-0.463998841	
<i>snail</i>	CG3860	FBgn0034951	CG3860	-0.562885083	Yes
<i>snail</i>	tmod	FBgn0082582	CG1539	-0.58824945	Yes
<i>snail</i>	Cap-H2	FBgn0037831	CG14685	-0.629304699	
<i>snail</i>	CG33926	FBgn0053926	CG33926	-0.634353699	
<i>snail</i>	CG8547	FBgn0033919	CG8547	-0.640350549	
<i>snail</i>	Paip2	FBgn0038100	CG12358	-0.722847538	
<i>snail</i>	CG3376	FBgn0034997	CG3376	-0.801759241	Yes
<i>twist</i>	CG15611	FBgn0034194	CG15611	Inf	
<i>twist</i>	CG15658	FBgn0034602	CG15658	Inf	Yes
<i>twist</i>	CG17270	FBgn0038828	CG17270	Inf	
<i>twist</i>	acj6	FBgn0000028	CG9151	Inf	
<i>twist</i>	alphaTub85E	FBgn0003886	CG9476	Inf	
<i>twist</i>	ect	FBgn0000451	CG6611	Inf	
<i>twist</i>	twi	FBgn0003900	CG2956	Inf	Yes
<i>twist</i>	lmd	FBgn0039039	CG4677	Inf	Yes
<i>twist</i>	dei	FBgn0263118	CG5441	6.248589419	Yes
<i>twist</i>	PGRP-LB	FBgn0037906	CG14704	6.13543379	
<i>twist</i>	CCKLR-17D3	FBgn0030954	CG32540	4.434007846	Yes
<i>twist</i>	htl	FBgn0010389	CG7223	3.936688181	Yes



<i>twist</i>	navy	FBgn0005636	CG3385	3.64454539	Yes
<i>twist</i>	e	FBgn0000527	CG3331	3.638143579	
<i>twist</i>	alpha-Est1	FBgn0015568	CG1031	3.505377756	Yes
<i>twist</i>	btn	FBgn0014949	CG5264	3.409022052	Yes
<i>twist</i>	CG3376	FBgn0034997	CG3376	3.017699542	Yes
<i>twist</i>	CG13707	FBgn0035578	CG13707	2.995481719	Yes
<i>twist</i>	CG6231	FBgn0038720	CG6231	2.984047614	Yes
<i>twist</i>	Pu	FBgn0003162	CG9441	2.887683306	
<i>twist</i>	CG17032	FBgn0036547	CG17032	2.829535333	
<i>twist</i>	sano	FBgn0034408	CG12758	2.805911606	Yes
<i>twist</i>	CG9150	FBgn0031775	CG9150	2.792648879	
<i>twist</i>	Bili	FBgn0039282	CG11848	2.424495665	Yes
<i>twist</i>	CG12402	FBgn0038202	CG12402	2.287528386	Yes
<i>twist</i>	pyd3	FBgn0037513	CG3027	1.849919318	Yes
<i>twist</i>	trol	FBgn0267911	CG33950	1.813775804	Yes
<i>twist</i>	kon	FBgn0032683	CG10275	1.792138095	Yes
<i>twist</i>	Fuca	FBgn0036169	CG6128	1.759441705	
<i>twist</i>	SerT	FBgn0010414	CG4545	1.68233002	
<i>twist</i>	CG17181	FBgn0035144	CG17181	1.441725877	Yes
<i>twist</i>	CG7149	FBgn0031948	CG7149	1.440411931	
<i>twist</i>	if	FBgn0001250	CG9623	1.396773256	Yes
<i>twist</i>	CG18557	FBgn0031470	CG18557	1.328767553	
<i>twist</i>	Mmp1	FBgn0035049	CG4859	1.236089352	
<i>twist</i>	CG13506	FBgn0034723	CG13506	1.229569672	Yes
<i>twist</i>	rut	FBgn0003301	CG9533	1.228660489	Yes
<i>twist</i>	CG30089	FBgn0050089	CG30089	1.152076771	Yes
<i>twist</i>	nkd	FBgn0002945	CG11614	1.150717399	Yes
<i>twist</i>	CG6406	FBgn0034269	CG6406	1.067665782	
<i>twist</i>	RhoL	FBgn0014380	CG9366	1.04021967	Yes
<i>twist</i>	CG14741	FBgn0037989	CG14741	0.997668804	
<i>twist</i>	CG32813	FBgn0052813	CG32813	0.994802235	
<i>twist</i>	CG8451	FBgn0031998	CG8451	0.963138737	
<i>twist</i>	zormin	FBgn0052311	CG33484	0.903534883	Yes
<i>twist</i>	CG5916	FBgn0038401	CG5916	0.898968909	
<i>twist</i>	CG10962	FBgn0030073	CG10962	0.880539393	
<i>twist</i>	CG33116	FBgn0053116	CG33116	0.864437342	Yes
<i>twist</i>	Sans	FBgn0033785	CG13320	0.853707309	
<i>twist</i>	sick	FBgn0263873	CG43720	0.786380378	Yes
<i>twist</i>	CG42806	FBgn0261975	CG42806	0.743647143	
<i>twist</i>	ash2	FBgn0000139	CG6677	0.713986802	Yes
<i>twist</i>	CG7872	FBgn0030658	CG7872	0.680440718	Yes
<i>twist</i>	Pax	FBgn0041789	CG31794	0.660397209	Yes
<i>twist</i>	CG4802	FBgn0034215	CG4802	0.57850087	
<i>twist</i>	miple2	FBgn0029002	CG18321	0.560957173	Yes
<i>twist</i>	SP1173	FBgn0035710	CG10121	0.558605324	Yes
<i>twist</i>	argos	FBgn0062279	CG4531	0.552945125	Yes
<i>twist</i>	CG6522	FBgn0034223	CG6522	0.544987319	
<i>twist</i>	Fit2	FBgn0036688	CG7729	0.50990303	Yes

<i>twist</i>	Rac2	FBgn0014011	CG8556	0.442453783	Yes
<i>twist</i>	CG32772	FBgn0052772	CG32772	0.437854963	Yes
<i>twist</i>	lig3	FBgn0038035	CG17227	-0.451475123	Yes
<i>twist</i>	dnr1	FBgn0260866	CG12489	-0.498567259	Yes
<i>twist</i>	Cp1	FBgn0013770	CG6692	-0.753112048	Yes
<i>twist</i>	CG6206	FBgn0027611	CG6206	-0.885978932	Yes
<i>twist</i>	eag	FBgn0000535	CG10952	-1.207357152	Yes
<hr/>					
<i>snail + twist</i>	CG42741	FBgn0261705	CG42741	Inf	
<i>snail + twist</i>	acj6	FBgn0000028	CG9151	Inf	
<i>snail + twist</i>	ect	FBgn0000451	CG6611	Inf	
<i>snail + twist</i>	twi	FBgn0003900	CG2956	Inf	Yes
<i>snail + twist</i>	CG17270	FBgn0038828	CG17270	Inf	
<i>snail + twist</i>	sna	FBgn0003448	CG3956	10.37275099	Yes
<i>snail + twist</i>	esg	FBgn0001981	CG3758	6.140652322	Yes
<i>snail + twist</i>	l(2)05510	FBgn0028622	CG13432	5.543924262	
<i>snail + twist</i>	dei	FBgn0263118	CG5441	5.457144722	
<i>snail + twist</i>	PGRP-LB	FBgn0037906	CG14704	5.243935125	
<i>snail + twist</i>	CCKLR-17D3	FBgn0030954	CG32540	4.025529417	
<i>snail + twist</i>	htl	FBgn0010389	CG7223	3.884987587	Yes
<i>snail + twist</i>	pyr	FBgn0033649	CG13194	3.618856076	Yes
<i>snail + twist</i>	CG17032	FBgn0036547	CG17032	2.718094087	
<i>snail + twist</i>	kon	FBgn0032683	CG10275	2.374588248	
<i>snail + twist</i>	sano	FBgn0034408	CG12758	2.307298725	Yes
<i>snail + twist</i>	Ggamma30A	FBgn0267252	CG3694	2.120862762	
<i>snail + twist</i>	CG9150	FBgn0031775	CG9150	2.001881127	
<i>snail + twist</i>	nvy	FBgn0005636	CG3385	2.00178281	Yes
<i>snail + twist</i>	CG9896	FBgn0034808	CG9896	1.904522714	
<i>snail + twist</i>	Pu	FBgn0003162	CG9441	1.838598354	
<i>snail + twist</i>	ldgf4	FBgn0026415	CG1780	1.806214988	
<i>snail + twist</i>	CG4793	FBgn0028514	CG4793	1.76408991	
<i>snail + twist</i>	CG8834	FBgn0033733	CG8834	1.705449418	
<i>snail + twist</i>	trol	FBgn0267911	CG33950	1.703599489	
<i>snail + twist</i>	CG31516	FBgn0051516	CG31516	1.655366594	Yes
<i>snail + twist</i>	CG4301	FBgn0030747	CG4301	1.552425865	
<i>snail + twist</i>	CG3376	FBgn0034997	CG3376	1.544037935	Yes
<i>snail + twist</i>	btn	FBgn0014949	CG5264	1.491184766	
<i>snail + twist</i>	SerT	FBgn0010414	CG4545	1.482499914	
<i>snail + twist</i>	v	FBgn0003965	CG2155	1.410454787	Yes
<i>snail + twist</i>	if	FBgn0001250	CG9623	1.408778131	
<i>snail + twist</i>	CG17321	FBgn0032719	CG17321	1.246291866	
<i>snail + twist</i>	CG6639	FBgn0032638	CG6639	1.213727183	
<i>snail + twist</i>	CG13928	FBgn0035246	CG13928	1.199289325	Yes
<i>snail + twist</i>	Aph-4	FBgn0016123	CG1462	1.185869675	
<i>snail + twist</i>	CG32813	FBgn0052813	CG32813	1.170251895	
<i>snail + twist</i>	SKIP	FBgn0051163	CG31163	1.169680202	Yes
<i>snail + twist</i>	Pka-C3	FBgn0000489	CG6117	1.127181861	Yes
<i>snail + twist</i>	Ama	FBgn0000071	CG2198	1.125932052	Yes

<i>snail + twist</i>	CG6330	FBgn0039464	CG6330	1.112434146	
<i>snail + twist</i>	nemy	FBgn0261673	CG8776	1.107010595	
<i>snail + twist</i>	CG3624	FBgn0034724	CG3624	1.105505605	
<i>snail + twist</i>	CG10962	FBgn0030073	CG10962	1.036090559	
<i>snail + twist</i>	CG2528	FBgn0032969	CG2528	1.025803311	
<i>snail + twist</i>	CG7149	FBgn0031948	CG7149	1.022627635	
<i>snail + twist</i>	fra	FBgn0011592	CG8581	1.01197296	Yes
<i>snail + twist</i>	mGluRA	FBgn0019985	CG11144	1	Yes
<i>snail + twist</i>	CG18557	FBgn0031470	CG18557	0.992334684	
<i>snail + twist</i>	tok	FBgn0004885	CG6863	0.977649328	Yes
<i>snail + twist</i>	CG17181	FBgn0035144	CG17181	0.90838252	Yes
<i>snail + twist</i>	CG15097	FBgn0034396	CG15097	0.883776856	
<i>snail + twist</i>	skpB	FBgn0026176	CG8881	0.857066758	
<i>snail + twist</i>	SP1173	FBgn0035710	CG10121	0.832775786	
<i>snail + twist</i>	CG3655	FBgn0040397	CG3655	0.791475081	Yes
<i>snail + twist</i>	dally	FBgn0263930	CG4974	0.76164443	Yes
<i>snail + twist</i>	CG10063	FBgn0035727	CG10063	0.74594449	
<i>snail + twist</i>	pirk	FBgn0034647	CG15678	0.72244173	
<i>snail + twist</i>	Mmp1	FBgn0035049	CG4859	0.683808515	
<i>snail + twist</i>	CG30089	FBgn0050089	CG30089	0.663719984	Yes
<i>snail + twist</i>	Tret1-2	FBgn0033644	CG8234	0.633645809	
<i>snail + twist</i>	CG6406	FBgn0034269	CG6406	0.629092946	
<i>snail + twist</i>	Nrg	FBgn0264975	CG1634	0.621009959	
<i>snail + twist</i>	MtnA	FBgn0002868	CG9470	0.603007772	
<i>snail + twist</i>	CG6424	FBgn0028494	CG6424	0.547328703	Yes
<i>snail + twist</i>	fan	FBgn0028379	CG7919	0.540930068	
<i>snail + twist</i>	CG33116	FBgn0053116	CG33116	0.538053255	
<i>snail + twist</i>	Socs36E	FBgn0041184	CG15154	0.529432354	
<i>snail + twist</i>	CG42806	FBgn0261975	CG42806	0.518779062	
<i>snail + twist</i>	Thor	FBgn0261560	CG8846	0.510243144	Yes
<i>snail + twist</i>	CG10383	FBgn0032699	CG10383	0.499216614	
<i>snail + twist</i>	cv-c	FBgn0086901	CG34389	0.462986411	Yes
<i>snail + twist</i>	Lk6	FBgn0017581	CG17342	0.455326652	
<i>snail + twist</i>	vri	FBgn0016076	CG14029	0.450187221	Yes
<i>snail + twist</i>	CG6199	FBgn0036147	CG6199	0.444258864	
<i>snail + twist</i>	Pax	FBgn0041789	CG31794	0.434728698	Yes
<i>snail + twist</i>	Treh	FBgn0003748	CG9364	0.43307025	
<i>snail + twist</i>	Rcd5	FBgn0263832	CG1135	0.412392851	
<i>snail + twist</i>	Hsc70-3	FBgn0001218	CG4147	0.364419757	
<i>snail + twist</i>	Cct1	FBgn0041342	CG1049	0.352345712	Yes
<i>snail + twist</i>	CG8801	FBgn0028473	CG8801	0.346977902	
<i>snail + twist</i>	CG12030	FBgn0035147	CG12030	-0.337722248	
<i>snail + twist</i>	CG42668	FBgn0261550	CG42668	-0.371017471	
<i>snail + twist</i>	SelD	FBgn0261270	CG8553	-0.388574036	
<i>snail + twist</i>	CG32425	FBgn0052425	CG32425	-0.41109005	
<i>snail + twist</i>	CG10859	FBgn0032520	CG10859	-0.448912683	
<i>snail + twist</i>	Hexo2	FBgn0041629	CG1787	-0.451942388	
<i>snail + twist</i>	CG11655	FBgn0030638	CG11655	-0.484949774	Yes

<i>snail + twist</i>	Act42A	FBgn0000043	CG12051	-0.487886336	
<i>snail + twist</i>	bys	FBgn0010292	CG1430	-0.489682006	
<i>snail + twist</i>	Lac	FBgn0010238	CG12369	-0.499941833	Yes
<i>snail + twist</i>	CG11255	FBgn0036337	CG11255	-0.50131699	
<i>snail + twist</i>	CG8547	FBgn0033919	CG8547	-0.56360757	
<i>snail + twist</i>	CG31075	FBgn0051075	CG31075	-0.566316576	
<i>snail + twist</i>	Mec2	FBgn0030993	CG7635	-0.597205703	
<i>snail + twist</i>	CG6126	FBgn0038407	CG6126	-0.602223793	
<i>snail + twist</i>	CG14629	FBgn0040398	CG14629	-0.631561894	
<i>snail + twist</i>	CG14523	FBgn0039612	CG14523	-0.639535295	
<i>snail + twist</i>	CG33926	FBgn0053926	CG33926	-0.645770184	
<i>snail + twist</i>	Cp1	FBgn0013770	CG6692	-0.726536661	
<i>snail + twist</i>	aru	FBgn0029095	CG4276	-0.85067735	Yes
<i>snail + twist</i>	CG6805	FBgn0034179	CG6805	-0.859840601	
<i>snail + twist</i>	CG3091	FBgn0029608	CG3091	-0.935473524	
<i>snail + twist</i>	BM-40-SPARC	FBgn0026562	CG6378	-0.954289606	
<i>snail + twist</i>	Ugt35a	FBgn0026315	CG6644	-0.954880883	
<i>snail + twist</i>	CG6206	FBgn0027611	CG6206	-1.137715698	
<i>snail + twist</i>	CG16758	FBgn0035348	CG16758	-Inf	
<i>snail + twist</i>	CG40472	FBgn0085736	CG40472	-Inf	