

TABLE S3

Does the choice of the reporter affect the survival of unwounded larvae expressing *UAS-RNAi* transgenes?

Genes Targeted by <i>UAS-RNAi</i>	Reporter Strains		
	<i>A58 vs. Dcr-2;A58</i>	<i>e22c vs. A58</i>	<i>e22c vs. Dcr-2;A58</i>
<i>Arp11</i> (12235R-1)	0.285	0.073	0.488
<i>Arp11</i> (12235R-3)	0.588	0.035	0.013
<i>Arp14D</i> (9901R-2)	0.087	0.174	0.814
<i>Cdc42</i> ^{x2} (12530R-2,12530R-3)	0.437	0.644	0.771
<i>Ced-12</i> (5336R-2)	n/a	0.006	n/a
<i>Ced-12</i> (5336R-3)	n/a	0.104	n/a
<i>DFos/kay</i> (15509R-2)	0.189	0.304	0.020
<i>Gγ1</i> (8261R-1)	0.757	0.256	0.392
<i>DJun/Jra</i> (2275R-2)	n/a	0.120	n/a
<i>hep</i> ^{x2} (2190R-2;4353R-2)	0.001	0.489	0.016
<i>Mekk1</i> (7717 #25528)	0.205	0.002	0.024
<i>slpr</i> (2272 #33516)	0.449	0.476	0.935
<i>slpr</i> (2272 #33518)	0.906	0.300	0.355
<i>slpr</i> (2272R-1)	0.006	0.905	0.008
<i>slpr</i> (2272R-2)	0.054	0.420	0.216
<i>slpr</i> ^{x2} (2272R-2;2272R-1)	0.053	0.040	0.955
<i>msn</i> ^{x2} (16973R-2;16973R-1)	n/a	0.010	n/a
<i>Mkk4</i> (9738R-1)	0.124	0.393	0.452
<i>Mkk4</i> (9738R-3)	0.065	0.023	0.482
<i>Pk92B</i> (4720 #34891)	0.188	0.025	0.311
<i>Pk92B</i> (4720 #34892)	0.331	0.432	0.091
<i>Pax</i> ^{x2} (DPXN IR N1,DPXN IR N3)	0.003	0.228	0.0000492
<i>Rac1</i> (2248R-1)	0.384	0.008	0.002
<i>SCAR</i> (4636R-1)	0.563	0.476	0.876
<i>Tak1</i> ^{x2} (1388R-1,1388R-2)	0.551	0.370	0.730
<i>Takl1</i> (31421 #25760)	0.647	0.247	0.400
<i>Takl2</i> (4803 #34898)	0.448	0.008	0.036
<i>bsk</i> ^{x2} (5680R-1,5680R-2)	0.375	0.340	0.071
<i>mbc</i> (10379R-1)	0.267	0.817	0.377
<i>spir</i> (10076R-1)	0.097	0.142	0.932
control (<i>w</i> ¹¹¹⁸)	0.257	0.068	0.005

A chi-square test was done to compare the survival rate at 24 hours post mock wounding between unwounded larvae expressing *UAS-RNAi* transgenes using different reporter strains. *P*-values are shown. In one case, when *Pax*^{RNAi x2} was driven with the *Dcr-2;A58* reporter strain, the reporter strain significantly affects the survival rate. However, using different reporter strains does not significantly affect the survival rate of all other *UAS-RNAi* transgenes including the ones

used for morphological wound analysis (Figure 4). The cut-off for significant difference is $P < 0.0001792$ after Bonferroni correction to account for the inflated type 1 error rate; n/a not applicable because of no L3 progeny with the *Dcr-2;A58* wound reporter.