

Selection Criteria	Accession/Gene Identifier	Region of Expression	Drosophila Best Hit	Species Injected	Stage Injected	Concentration of dsRNA	Injected Total	Lethality			Survived to Adults	Adult w/ phenotype	Survival	Horn Phenotype	Phenotype Description	
								Larvae	Pupae	Adults						
embryonic head patterning genes	XM_023045958.1	Fig. S5 A	<i>sloppy-paired</i>	<i>O. taurus</i>	early L3	1 µg/µl	11	/	1	/	10	0	91%	n.o.a.	n.o.a.	
	XM_023058224.1	Fig. S5 B	<i>mirror</i>	<i>O. taurus</i>	early L3	1 µg/µl	10	1	/	/	9	9	90%	n.o.a.	wings, first thoracic segment irregular, eye	
	XM_023051010.1	Fig. S5 C	<i>lim 1</i>	<i>O. taurus</i>	early L3	1 µg/µl	10	1	/	/	9	8	90%	n.o.a.	leg, antennae, mouthparts	
	XM_023064427.1	Fig. S5 D	<i>mex3</i>	<i>O. taurus</i>	early L3	1 µg/µl	11	/	/	/	10	6	91%	n.o.a.	leg, mouthparts, wings	
	XM_023047875.1	Fig. S5 E	<i>knirps</i>	<i>O. taurus</i>	early L3	1 µg/µl	12	/	/	1	11	8	92%	n.o.a.	wings	
	XM_023050477.1	Fig. S5 F	<i>crocodile</i>	<i>O. taurus</i>	early L3	1 µg/µl	22	7	5	10	10	6	45%	n.o.a.	mouthparts	
	XM_023050882.1	Fig. 4 I	<i>Sp8/Sp1</i>	<i>O. taurus</i>	early L3	1 µg/µl	18	7	/	/	11	10	61%	n.o.a. Fig. 6	mouthparts and legs (Fig. S5 and S6)	
	XM_023045049.1	Fig. 4 H	<i>cap'n'collar</i>	<i>O. taurus</i>	early L3	1 µg/µl	17	4	/	/	13	12	76%	n.o.a. Fig. 6	mouthparts (Fig. S5)	
	XM_023059686.1	Fig. 4 G	<i>retinal homeobox</i>	<i>O. taurus</i>	early L3	2 µg/µl	12	6	4	2	0	/	0%	Fig. 6	mouthparts (Fig. S5)	
						1 µg/µl	22	4	1	/	17	14	77%			
		<i>O. sagittarius Sp8</i>		<i>Sp8/Sp1</i>	<i>O. sagittarius</i>	early L3	1 µg/µl	12	5	/	/	7	7	58%	Fig. 6	mouthparts and legs (Fig. S5 and S6)
	<i>O. sagittarius cap'n'collar</i>	n/a	<i>cap'n'collar</i>	<i>O. sagittarius</i>	early L3	1 µg/µl	24	6	/	/	18	10	75%	Fig. 6	mouthparts (Fig. S5)	
	<i>O. sagittarius retinal homeobox</i>		<i>retinal homeobox</i>	<i>O. sagittarius</i>	mid L3	2 µg/µl	12	1	/	/	11	7	92%	Fig. 6	mouthparts (Fig. S5)	
					1 µg/µl	8	4	/	/	4	1	50%				
posterior-unique head expression	XM_023064833.1*	Fig. S5 M	<i>n/a</i>	<i>O. taurus</i>	early L3	1 µg/µl	12	1	/	/	11	0	92%	n.o.a.	n.o.a.	
	XM_023054237.1	Fig. S5 K	<i>aristalless</i>	<i>O. taurus</i>	early L3	1 µg/µl	22	2	1	/	19	5	86%	n.o.a.	leg, antennae	
	XM_023064084.1	Fig. S5 H	<i>serine protease</i>	<i>O. taurus</i>	early L3	1 µg/µl	20	10	1	/	13	0	65%	n.o.a.	n.o.a.	
	XM_023054389.1	Fig. S5 H	<i>uncharacterized</i>	<i>O. taurus</i>	early L3	1 µg/µl	35	17	2	/	16	0	46%	n.o.a.	n.o.a.	
	XM_023055853.1*	Fig. S5 L	<i>n/a</i>	<i>O. taurus</i>	early L3	1 µg/µl	12	1	1	2	10	0	83%	n.o.a.	n.o.a.	
	XM_023056824.1	Fig. S5 G	<i>cuticle protein 67B</i>	<i>O. taurus</i>	early L3	1 µg/µl	24	5	/	/	19	0	79%	n.o.a.	n.o.a.	
	XM_023049046.1	Fig. S5 G	<i>uncharacterized</i>	<i>O. taurus</i>	early L3	1 µg/µl	21	6	/	/	15	0	71%	n.o.a.	n.o.a.	
	XM_023051322.1	Fig. S5 J	<i>uncharacterized</i>	<i>O. taurus</i>	early L3	1 µg/µl	24	5	/	/	19	0	79%	n.o.a.	n.o.a.	
	XM_023059293.1	Fig. S5 I	<i>Fish-lips</i>	<i>O. taurus</i>	early L3	1 µg/µl	24	5	2	/	17	0	71%	n.o.a.	n.o.a.	
	XM_023052689.1	Fig. S5 I	<i>uncharacterized</i>	<i>O. taurus</i>	early L3	1 µg/µl	20	3	5	/	12	0	60%	n.o.a.	n.o.a.	
	XM_023052984.1	Fig. S5 I	<i>mab-21</i>	<i>O. taurus</i>	early L3	1 µg/µl	17	7	/	/	10	0	59%	n.o.a.	n.o.a.	
	XM_023046672.1	Fig. S5 I	<i>Myd88</i>	<i>O. taurus</i>	early L3	1 µg/µl	24	10	1	/	13	0	54%	n.o.a.	n.o.a.	
	XM_023045701.1	Fig. S5 I	<i>unc-13</i>	<i>O. taurus</i>	early L3	1 µg/µl	17	9	/	/	8	0	47%	n.o.a.	n.o.a.	
Wnt signaling					early L3	1 µg/µl	12	0	12	/	0	/	0%	n.o.a.		
	XM_023049346.1	n/a	<i>axin</i>	<i>O. taurus</i>	mid L3	1 µg/µl	12	1	10	/	1	/	8%	pupae - see Fig. 5	wings, legs, antennae, mouthparts, and T1 (Fig. 5)	
					late L3	1 µg/µl	28	9	12	/	7	/	25%	pupae - see Fig. 5		
					mid L3	100 ng/µl	24	16	7	/	1	/	4%	n.o.a.		
						early L3	1 µg/µl	12	1	11	/	0	/	0%	n.o.a.	wings, legs, antennae, mouthparts, and T1 (Fig. 5)
	XM_023050771.1	n/a	<i>disheveled</i>	<i>O. taurus</i>	late L3	1 µg/µl	9	1	5	/	3	/	33%	pupae - see Fig. 5		
				mid L3	100 ng/µl	24	14	8	/	2	/	8%	pupae - see Fig. 5			

n.o.a = no observable abnormality

*putative taxon-restricted gene - no orthologs