| Selection Criteria | Accession/Gene Identifier | Region of Expression | Drosophila Best Hit Species Injected | Stage Injected | Concentration of dsRNA Injected Total | Larvae | Pupae | Adults | Survived to Adults | Adult w/ Phenootype | Hom Phenotype | Phenotype Description |
|--------------------|---------------------------|----------------------|-------------------------------------|---------------|--------------------------------------|--------|-------|--------|-------------------|-------------------|-------------|-----------------------|
| embryonic head processes | XM_023045958.1 | Fig. S3 A | stoppet-paired O. taurus early L3 | 1 µg/µl 11 | / | / | / | 10 | 0 | 91% | n.o.a. | n.o.a. | putative taxon-restricted gene - no orthologs |
| embryonic head processes | XM_023058224.1 | Fig. S3 B | mirror O. taurus early L3 | 1 µg/µl 10 | 1 | / | / | 9 | 9 | 90% | n.o.a. | wings, first thoracic segment irregular, eye |
| embryonic head processes | XM_023051010.1 | Fig. S3 C | tin 1 O. taurus early L3 | 1 µg/µl 10 | 1 | / | / | 9 | 8 | 90% | n.o.a. | leg, antennae, mouthparts |
| embryonic head processes | XM_023044427.1 | Fig. S3 D | mex3 O. taurus early L3 | 1 µg/µl 11 | / | / | / | 10 | 6 | 91% | n.o.a. | leg, mouthparts, wings |
| embryonic head processes | XM_023047875.1 | Fig. S3 E | katerp O. taurus early L3 | 1 µg/µl 12 | / | / | 1 | 11 | 8 | 92% | n.o.a. | wings |
| embryonic head processes | XM_023059477.1 | Fig. S3 F | crocodile early L3 | 1 µg/µl 22 | 7 | 5 | / | 10 | 6 | 45% | n.o.a. | mouthparts |
| embryonic head processes | XM_023050882.1 | Fig. S4 A | Sp8 | O. taurus early L3 | 1 µg/µl 18 | 7 | 7 | / | 11 | 10 | 61% | n.o.a. | mouthparts and legs (Fig. S5 and S6) |
| embryonic head processes | XM_023045049.1 | Fig. S4 B | cap'n'collar O. taurus early L3 | 1 µg/µl 17 | 4 | 1 | / | / | 15 | 12 | 76% | n.o.a. | mouthparts (Fig. S5) |
| embryonic head processes | XM_023059668.1 | Fig. S4 C | retinal homebox O. taurus early L3 | 2 µg/µl 12 | 6 | 4 | 2 | 0 | / | 9% | Fig. 6 | mouthparts (Fig. S5) |
| embryonic head processes | O. sagittarius | n/a | Sp8/Sp4 O. sagittarius early L3 | 2 µg/µl 12 | 5 | / | / | 7 | 7 | 58% | Fig. 6 | mouthparts and legs (Fig. S5 and S6) |
| embryonic head processes | O. sagittarius | n/a | cap'n'collar O. sagittarius early L3 | 1 µg/µl 24 | 6 | / | / | 18 | 10 | 75% | Fig. 6 | mouthparts (Fig. S5) |
| embryonic head processes | O. sagittarius | n/a | retinal homebox O. taurus mid L3 | 2 µg/µl 12 | 1 | / | / | 11 | 7 | 92% | Fig. 6 | mouthparts (Fig. S5) |
| post-embryonic head expression | XM_023054237.1 | Fig. S5 A | aristless O. taurus early L3 | 1 µg/µl 12 | 2 | 1 | / | 19 | 5 | 86% | n.o.a. | leg, antennae |
| post-embryonic head expression | XM_023040841.1 | Fig. S5 B | serine protease O. taurus early L3 | 1 µg/µl 22 | 10 | 1 | 2 | 13 | 0 | 65% | n.o.a. | n.o.a. |
| post-embryonic head expression | XM_023054389.1 | Fig. S5 C | uncharacterized O. taurus early L3 | 1 µg/µl 35 | 17 | 2 | / | 16 | 0 | 46% | n.o.a. | n.o.a. |
| post-embryonic head expression | XM_023055531.1 | Fig. S5 D | n/a O. taurus early L3 | 1 µg/µl 12 | 1 | 1 | 2 | 10 | 0 | 83% | n.o.a. | n.o.a. |
| post-embryonic head expression | XM_023050824.1 | Fig. S5 E | cuticle protein 67B O. taurus early L3 | 1 µg/µl 24 | 5 | / | / | 19 | 0 | 79% | n.o.a. | n.o.a. |
| post-embryonic head expression | XM_023050446.1 | Fig. S5 F | uncharacterized O. taurus early L3 | 1 µg/µl 21 | 6 | / | / | 15 | 0 | 71% | n.o.a. | n.o.a. |
| post-embryonic head expression | XM_023051322.1 | Fig. S5 G | uncharacterized O. taurus early L3 | 1 µg/µl 24 | 5 | / | / | 19 | 0 | 79% | n.o.a. | n.o.a. |
| post-embryonic head expression | XM_023059293.1 | Fig. S5 H | Fish-lips O. taurus early L3 | 1 µg/µl 24 | 5 | 2 | / | 17 | 0 | 71% | n.o.a. | n.o.a. |
| post-embryonic head expression | XM_023052689.1 | Fig. S5 I | uncharacterized O. taurus early L3 | 1 µg/µl 20 | 3 | 5 | / | 12 | 0 | 60% | n.o.a. | n.o.a. |
| post-embryonic head expression | XM_023052984.1 | Fig. S5 J | mad-21 O. taurus early L3 | 1 µg/µl 17 | 7 | / | / | 10 | 0 | 59% | n.o.a. | n.o.a. |
| post-embryonic head expression | XM_023046672.1 | Fig. S5 K | Myd88 O. taurus early L3 | 1 µg/µl 24 | 10 | 1 | / | 13 | 0 | 54% | n.o.a. | n.o.a. |
| post-embryonic head expression | XM_023048370.1 | Fig. S5 L | unc-13 O. taurus early L3 | 1 µg/µl 17 | 9 | / | / | 8 | 0 | 47% | n.o.a. | n.o.a. |
| Wnt signaling | XM_023049346.1 | n/a | axin O. taurus mid L3 | 1 µg/µl 12 | 1 | / | / | 10 | 0 | 8% | pupae - see Fig. 5 | wings, legs, antennae, mouthparts, and T1 (Fig. 5) |
| Wnt signaling | XM_023050771.1 | n/a | disheveled O. taurus early L3 | 1 µg/µl 12 | 1 | 10 | / | 1 | / | 8% | pupae - see Fig. 5 | wings, legs, antennae, mouthparts, and T1 (Fig. 5) |

n.o.a. = no observable abnormality

*putative taxon-restricted gene - no orthologs