Table 18: **Diversity of anatomical annotations of genes comprising functional unit pep2ebrain**: embryonic central brain && protocerebrum primordium && procephalic ectoderm primordium

| Anatomical Structures | Genes |
|---|---|
| labial sensory complex primordium; | FBgn0004595 pros CG17228 GH11848 |
| embryonic optic lobe primordium; | FBgn0002932 neur CG11988 LD45505<br>FBgn0033992 CG11798 CG11798 LD23883<br>FBgn0036786 skl CG13701 RE14076<br>FBgn0035186 CG13912 CG13912 RE20371<br>FBgn0010453 Wnt4 CG4698 RE26454 |
| fat body/gonad primordium; | FBgn0037811 CG12592 CG12592 AT09724 |
| dorsal prothoracic pharyngeal muscle; | FBgn0031971 CG7224 CG7224 GH18422 |
| dorsal pharyngeal muscle primordium; | FBgn0033992 CG11798 CG11798 LD23883 |
| ventral midline; | FBgn0004868 Gdi CG4422 LD46767<br>FBgn0035542 CG11347 CG11347 GH28550<br>FBgn0040271 Sulf1 CG6725 SD04414<br>FBgn0004584 Rrp1 CG3178 LP05366<br>FBgn0000577 en CG9015 LD16125<br>FBgn0000659 fkh CG10002 RE03865<br>FBgn0015773 NetA CG18657 RE11206<br>FBgn0000577 en CG9015 LD16125 |
| small intestine specific anlage; | FBgn0000659 fkh CG10002 RE03865 |
| embryonic midgut; | FBgn0040271 Sulf1 CG6725 LD03060<br>FBgn0004868 Gdi CG4422 LD46767<br>FBgn0040271 Sulf1 CG6725 SD04414<br>FBgn0037811 CG12592 CG12592 AT09724<br>FBgn0000611 exd CG8933 LD03509<br>FBgn0038118 NULL CG7855 RE03551<br>FBgn0000659 fkh CG10002 RE03865<br>FBgn0010453 Wnt4 CG4698 RE26454 |
| procephalic ectoderm primordium; | FBgn0040271 Sulf1 CG6725 LD03060<br>FBgn0024332 Mcm3 CG4206 LD07144<br>FBgn0013469 NULL CG12296 RE58581<br>FBgn0036494 Toll-6 CG7250 LD08841<br>FBgn0004868 Gdi CG4422 LD46767<br>FBgn0002932 neur CG11988 LD45505<br>FBgn0035542 CG11347 CG11347 GH28550<br>FBgn0040271 Sulf1 CG6725 SD04414 |

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*Table 18 continued from previous page.*

| Anatomical Structures | Genes |
|---|---|
| embryonic/larval circulatory system;<br><br>Malpighian tubule primordium;<br><br>ventral neuroderm anlage; | FBgn0004595 pros CG17228 GH11848<br>FBgn0040230 dbo CG6224 RE13447<br>FBgn0002561 l(1)sc CG3839 RE59335<br>FBgn0037947 CG6930 CG6930 RE72719<br>FBgn0037811 CG12592 CG12592 AT09724<br>FBgn0005677 dac CG4952 RE64054<br>FBgn0003300 run CG1849 GH02614<br>FBgn0051670 CG31670 CG31670 GH14092<br>FBgn0004584 Rrp1 CG3178 LP05366<br>FBgn0015903 apt CG5393 LD45581<br>FBgn0033992 CG11798 CG11798 LD23883<br>FBgn0039211 CG13620 CG13620 SD03914<br>FBgn0000611 exd CG8933 LD03509<br>FBgn0030507 CG11164 CG11164 RE50056<br>FBgn0034878 CG3941 CG3941 LD15650<br>FBgn0000577 en CG9015 LD16125<br>FBgn0003346 Sd CG9999 LD16356<br>FBgn0038118 NULL CG7855 RE03551<br>FBgn0000659 fkh CG10002 RE03865<br>FBgn0017453 Zn72D CG5215 GH12756<br>FBgn0015773 NetA CG18657 RE11206<br>FBgn0004567 slp2 CG2939 RE11345<br>FBgn0036786 skl CG13701 RE14076<br>FBgn0038150 yellow-e3 CG17045 RE14803<br>FBgn0035186 CG13912 CG13912 RE20371<br>FBgn0010453 Wnt4 CG4698 RE26454<br>FBgn0013725 phyl CG10108 RH04401<br>FBgn0029512 Aos1 CG12276 LD33652<br>FBgn0031971 CG7224 CG7224 GH18422<br>FBgn0051670 CG31670 CG31670 GH14092<br>FBgn0034878 CG3941 CG3941 LD15650<br>FBgn0000577 en CG9015 LD16125<br><br>FBgn0015903 apt CG5393 LD45581<br><br>FBgn0000659 fkh CG10002 RE03865<br><br>FBgn0036494 Toll-6 CG7250 LD08841<br>FBgn0002932 neur CG11988 LD45505<br>FBgn0040271 Sulf1 CG6725 SD04414<br>FBgn0040230 dbo CG6224 RE13447<br>FBgn0002561 l(1)sc CG3839 RE59335<br>FBgn0003300 run CG1849 GH02614<br>FBgn0015903 apt CG5393 LD45581<br>FBgn0033992 CG11798 CG11798 LD23883<br>FBgn0000611 exd CG8933 LD03509 |

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*Table 18 continued from previous page.*

| Anatomical Structures | Genes |
|---|---|
| need new term(larval eye primordium); | FBgn0030507 CG11164 CG11164 RE50056<br>FBgn0000577 en CG9015 LD16125<br>FBgn0003346 Sd CG9999 LD16356<br>FBgn0038118 NULL CG7855 RE03551<br>FBgn0017453 Zn72D CG5215 GH12756<br>FBgn0015773 NetA CG18657 RE11206<br>FBgn0010453 Wnt4 CG4698 RE26454<br>FBgn0029512 Aos1 CG12276 LD33652<br>FBgn0000577 en CG9015 LD16125 |
| labral sensory complex primordium; | FBgn0004595 pros CG17228 GH11848<br>FBgn0033992 CG11798 CG11798 LD23883 |
| embryonic inner optic lobe; | FBgn0004595 pros CG17228 GH11848 |
| procephalic ectoderm anlage; | FBgn0036786 skl CG13701 RE14076<br>FBgn0010453 Wnt4 CG4698 RE26454 |
| ring gland; | FBgn0036494 Toll-6 CG7250 LD08841<br>FBgn0002932 neur CG11988 LD45505<br>FBgn0035542 CG11347 CG11347 GH28550<br>FBgn0004595 pros CG17228 GH11848<br>FBgn0040230 dbo CG6224 RE13447<br>FBgn0002561 l(1)sc CG3839 RE59335<br>FBgn0003300 run CG1849 GH02614<br>FBgn0051670 CG31670 CG31670 GH14092<br>FBgn0015903 apt CG5393 LD45581<br>FBgn0033992 CG11798 CG11798 LD23883<br>FBgn0039211 CG13620 CG13620 SD03914<br>FBgn0000611 exd CG8933 LD03509<br>FBgn0030507 CG11164 CG11164 RE50056<br>FBgn0000577 en CG9015 LD16125<br>FBgn0003346 Sd CG9999 LD16356<br>FBgn0038118 NULL CG7855 RE03551<br>FBgn0038150 yellow-e3 CG17045 RE14803<br>FBgn0035186 CG13912 CG13912 RE20371<br>FBgn0010453 Wnt4 CG4698 RE26454<br>FBgn0029512 Aos1 CG12276 LD33652<br>FBgn0051670 CG31670 CG31670 GH14092<br>FBgn0000577 en CG9015 LD16125 |
| dorsal ectoderm anlage; | FBgn0004584 Rrp1 CG3178 LP05366<br>FBgn0015903 apt CG5393 LD45581<br>FBgn0034878 CG3941 CG3941 LD15650<br>FBgn0031971 CG7224 CG7224 GH18422 |

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*Table 18 continued from previous page.*

| Anatomical Structures | Genes |
|---|---|
| mesectoderm primordium; | FBgn0035542 CG11347 CG11347 GH28550<br>FBgn0003300 run CG1849 GH02614<br>FBgn0033992 CG11798 CG11798 LD23883<br>FBgn0000611 exd CG8933 LD03509<br>FBgn0000577 en CG9015 LD16125<br>FBgn0003346 Sd CG9999 LD16356<br>FBgn0038150 yellow-e3 CG17045 RE14803<br>FBgn0000577 en CG9015 LD16125 |
| embryonic gastric caecum; | FBgn0002932 neur CG11988 LD45505<br>FBgn0033992 CG11798 CG11798 LD23883<br>FBgn0000577 en CG9015 LD16125<br>FBgn0003346 Sd CG9999 LD16356<br>FBgn0015773 NetA CG18657 RE11206<br>FBgn0004567 slp2 CG2939 RE11345<br>FBgn0000577 en CG9015 LD16125 |
| pericardial cell specific anlage; | FBgn0010453 Wnt4 CG4698 RE26454 |
| circular visceral muscle fibers; | FBgn0015903 apt CG5393 LD45581 |
| embryonic/larval muscle system; | FBgn0015773 NetA CG18657 RE11206 |
| anterior endoderm primordium; | FBgn0000611 exd CG8933 LD03509<br>FBgn0015773 NetA CG18657 RE11206 |
| embryonic rectum; | FBgn0037811 CG12592 CG12592 AT09724<br>FBgn0015903 apt CG5393 LD45581<br>FBgn0000611 exd CG8933 LD03509<br>FBgn0003346 Sd CG9999 LD16356<br>FBgn0000659 fkh CG10002 RE03865 |
| posterior midgut primordium; | FBgn0000659 fkh CG10002 RE03865<br>FBgn0010453 Wnt4 CG4698 RE26454 |
| ventral sensory complex primordium; | FBgn0002561 l(1)sc CG3839 RE59335<br>FBgn0037811 CG12592 CG12592 AT09724<br>FBgn0000659 fkh CG10002 RE03865<br>FBgn0017453 Zn72D CG5215 GH12756 |
| | FBgn0004868 Gdi CG4422 LD46767<br>FBgn0002932 neur CG11988 LD45505<br>FBgn0040271 Sulf1 CG6725 SD04414<br>FBgn0004595 pros CG17228 GH11848<br>FBgn0037947 CG6930 CG6930 RE72719<br>FBgn0003300 run CG1849 GH02614 |

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*Table 18 continued from previous page.*

| Anatomical Structures | Genes |
|---|---|
| posterior endoderm primordium; | FBgn0033992 CG11798 CG11798 LD23883<br>FBgn0002561 l(1)sc CG3839 RE59335<br>FBgn0037811 CG12592 CG12592 AT09724<br>FBgn0015903 apt CG5393 LD45581<br>FBgn0000611 exd CG8933 LD03509<br>FBgn0003346 Sd CG9999 LD16356<br>FBgn0000659 fkh CG10002 RE03865 |
| embryonic corpus cardiacum; | FBgn0031971 CG7224 CG7224 GH18422 |
| embryonic central brain glia; | FBgn0002932 neur CG11988 LD45505<br>FBgn0037811 CG12592 CG12592 AT09724<br>FBgn0004584 Rrp1 CG3178 LP05366<br>FBgn0033992 CG11798 CG11798 LD23883<br>FBgn0000611 exd CG8933 LD03509<br>FBgn0017453 Zn72D CG5215 GH12756<br>FBgn0029512 Aos1 CG12276 LD33652 |
| ventral midline neuroblast;<br>midline primordium; | FBgn0004595 pros CG17228 GH11848<br>FBgn0040271 Sulf1 CG6725 SD04414<br>FBgn0002561 l(1)sc CG3839 RE59335<br>FBgn0000577 en CG9015 LD16125<br>FBgn0000659 fkh CG10002 RE03865<br>FBgn0015773 NetA CG18657 RE11206<br>FBgn0000577 en CG9015 LD16125 |
| hindgut proper primordium; | FBgn0004868 Gdi CG4422 LD46767<br>FBgn0040230 dbo CG6224 RE13447<br>FBgn0037811 CG12592 CG12592 AT09724<br>FBgn0051670 CG31670 CG31670 GH14092<br>FBgn0000577 en CG9015 LD16125<br>FBgn0000659 fkh CG10002 RE03865<br>FBgn0017453 Zn72D CG5215 GH12756<br>FBgn0036786 skl CG13701 RE14076<br>FBgn0038150 yellow-e3 CG17045 RE14803<br>FBgn0010453 Wnt4 CG4698 RE26454<br>FBgn0031971 CG7224 CG7224 GH18422<br>FBgn0051670 CG31670 CG31670 GH14092<br>FBgn0000577 en CG9015 LD16125 |
| labral sensory complex; | FBgn0004868 Gdi CG4422 LD46767<br>FBgn0004595 pros CG17228 GH11848<br>FBgn0005677 dac CG4952 RE64054 |
| proventriculus primordium; | |

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*Table 18 continued from previous page.*

| Anatomical Structures | Genes |
|---|---|
| | FBgn0003346 Sd CG9999 LD16356 |
| | FBgn0000659 fkh CG10002 RE03865 |
| pole cell; | |
| | FBgn0039211 CG13620 CG13620 SD03914 |
| embryonic central brain surface glia; | |
| | FBgn0013469 NULL CG12296 RE58581 |
| | FBgn0002932 neur CG11988 LD45505 |
| | FBgn0004584 Rrp1 CG3178 LP05366 |
| | FBgn0030507 CG11164 CG11164 RE50056 |
| antennal primordium2; | |
| | FBgn0003346 Sd CG9999 LD16356 |
| embryonic Bolwig's organ; | |
| | FBgn0004868 Gdi CG4422 LD46767 |
| | FBgn0004595 pros CG17228 GH11848 |
| large intestine specific anlage; | |
| | FBgn0040230 dbo CG6224 RE13447 |
| | FBgn0000659 fkh CG10002 RE03865 |
| longitudinal visceral mesoderm primordium; | |
| | FBgn0033992 CG11798 CG11798 LD23883 |
| | FBgn0010453 Wnt4 CG4698 RE26454 |
| external foregut primordium; | |
| | FBgn0037811 CG12592 CG12592 AT09724 |
| | FBgn0015903 apt CG5393 LD45581 |
| | FBgn0000577 en CG9015 LD16125 |
| | FBgn0003346 Sd CG9999 LD16356 |
| | FBgn0000659 fkh CG10002 RE03865 |
| | FBgn0036786 skl CG13701 RE14076 |
| | FBgn0038150 yellow-e3 CG17045 RE14803 |
| | FBgn0010453 Wnt4 CG4698 RE26454 |
| | FBgn0000577 en CG9015 LD16125 |
| lateral cord glia; | |
| | FBgn0002932 neur CG11988 LD45505 |
| | FBgn0037811 CG12592 CG12592 AT09724 |
| | FBgn0004584 Rrp1 CG3178 LP05366 |
| | FBgn0033992 CG11798 CG11798 LD23883 |
| | FBgn0000611 exd CG8933 LD03509 |
| | FBgn0038118 NULL CG7855 RE03551 |
| | FBgn0017453 Zn72D CG5215 GH12756 |
| | FBgn0029512 Aos1 CG12276 LD33652 |
| embryonic foregut sensory structure; | |
| | FBgn0004595 pros CG17228 GH11848 |
| head epidermis primordium; | |
| | FBgn0015903 apt CG5393 LD45581 |
| | FBgn0003346 Sd CG9999 LD16356 |
| embryonic inner optic lobe primordium; | |
| | FBgn0010453 Wnt4 CG4698 RE26454 |

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*Table 18 continued from previous page.*

| Anatomical Structures | Genes |
|---|---|
| salivary gland body primordium; | |
| | FBgn0000659 fkh CG10002 RE03865 |
| sensory nervous system primordium; | |
| | FBgn0040271 Sulf1 CG6725 LD03060 |
| | FBgn0013469 NULL CG12296 RE58581 |
| | FBgn0004868 Gdi CG4422 LD46767 |
| | FBgn0002932 neur CG11988 LD45505 |
| | FBgn0004595 pros CG17228 GH11848 |
| | FBgn0037947 CG6930 CG6930 RE72719 |
| | FBgn0003300 run CG1849 GH02614 |
| | FBgn0017453 Zn72D CG5215 GH12756 |
| embryonic hindgut; | |
| | FBgn0040271 Sulf1 CG6725 LD03060 |
| | FBgn0004868 Gdi CG4422 LD46767 |
| | FBgn0040230 dbo CG6224 RE13447 |
| | FBgn0037811 CG12592 CG12592 AT09724 |
| | FBgn0005677 dac CG4952 RE64054 |
| | FBgn0000659 fkh CG10002 RE03865 |
| | FBgn0017453 Zn72D CG5215 GH12756 |
| | FBgn0038150 yellow-e3 CG17045 RE14803 |
| | FBgn0010453 Wnt4 CG4698 RE26454 |
| embryonic anal pad; | |
| | FBgn0000659 fkh CG10002 RE03865 |
| ventral nerve cord; | |
| | FBgn0040271 Sulf1 CG6725 LD03060 |
| | FBgn0024332 Mcm3 CG4206 LD07144 |
| | FBgn0013469 NULL CG12296 RE58581 |
| | FBgn0004868 Gdi CG4422 LD46767 |
| | FBgn0002932 neur CG11988 LD45505 |
| | FBgn0035542 CG11347 CG11347 GH28550 |
| | FBgn0040271 Sulf1 CG6725 SD04414 |
| | FBgn0004595 pros CG17228 GH11848 |
| | FBgn0040230 dbo CG6224 RE13447 |
| | FBgn0037947 CG6930 CG6930 RE72719 |
| | FBgn0037811 CG12592 CG12592 AT09724 |
| | FBgn0005677 dac CG4952 RE64054 |
| | FBgn0003300 run CG1849 GH02614 |
| | FBgn0004584 Rrp1 CG3178 LP05366 |
| | FBgn0015903 apt CG5393 LD45581 |
| | FBgn0033992 CG11798 CG11798 LD23883 |
| | FBgn0000611 exd CG8933 LD03509 |
| | FBgn0030507 CG11164 CG11164 RE50056 |
| | FBgn0034878 CG3941 CG3941 LD15650 |
| | FBgn0000577 en CG9015 LD16125 |
| | FBgn0003346 Sd CG9999 LD16356 |
| | FBgn0017453 Zn72D CG5215 GH12756 |

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*Table 18 continued from previous page.*

| Anatomical Structures | Genes |
|---|---|
| visual primordium; | FBgn0004567 slp2 CG2939 RE11345<br>FBgn0036786 skl CG13701 RE14076<br>FBgn0035186 CG13912 CG13912 RE20371<br>FBgn0010453 Wnt4 CG4698 RE26454<br>FBgn0029512 Aos1 CG12276 LD33652<br>FBgn0034878 CG3941 CG3941 LD15650<br>FBgn0000577 en CG9015 LD16125 |
| foregut primordium; | FBgn0002932 neur CG11988 LD45505<br>FBgn0004595 pros CG17228 GH11848<br>FBgn0002561 l(1)sc CG3839 RE59335<br>FBgn0015903 apt CG5393 LD45581<br>FBgn0033992 CG11798 CG11798 LD23883<br>FBgn0000611 exd CG8933 LD03509<br>FBgn0003346 Sd CG9999 LD16356<br>FBgn0036786 skl CG13701 RE14076<br>FBgn0035186 CG13912 CG13912 RE20371<br>FBgn0010453 Wnt4 CG4698 RE26454<br>FBgn0013725 phyl CG10108 RH04401 |
| crystal cell; | FBgn0039211 CG13620 CG13620 SD03914<br>FBgn0000659 fkh CG10002 RE03865<br>FBgn0036786 skl CG13701 RE14076<br>FBgn0038150 yellow-e3 CG17045 RE14803<br>FBgn0010453 Wnt4 CG4698 RE26454 |
| embryonic leading edge cell specific anlage; | FBgn0031971 CG7224 CG7224 GH18422 |
| embryonic ventral epidermis; | FBgn0010453 Wnt4 CG4698 RE26454 |
| lateral cord neuron; | FBgn0004868 Gdi CG4422 LD46767<br>FBgn0040230 dbo CG6224 RE13447<br>FBgn0037947 CG6930 CG6930 RE72719<br>FBgn0015773 NetA CG18657 RE11206<br>FBgn0004567 slp2 CG2939 RE11345<br>FBgn0038150 yellow-e3 CG17045 RE14803<br>FBgn0035186 CG13912 CG13912 RE20371 |
| | FBgn0024332 Mcm3 CG4206 LD07144<br>FBgn0013469 NULL CG12296 RE58581<br>FBgn0036494 Toll-6 CG7250 LD08841<br>FBgn0004868 Gdi CG4422 LD46767<br>FBgn0002932 neur CG11988 LD45505<br>FBgn0035542 CG11347 CG11347 GH28550<br>FBgn0040271 Sulf1 CG6725 SD04414<br>FBgn0040230 dbo CG6224 RE13447 |

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*Table 18 continued from previous page.*

| Anatomical Structures | Genes |
|---|---|
| | FBgn0037947 CG6930 CG6930 RE72719 |
| | FBgn0037811 CG12592 CG12592 AT09724 |
| | FBgn0005677 dac CG4952 RE64054 |
| | FBgn0004584 Rrp1 CG3178 LP05366 |
| | FBgn0033992 CG11798 CG11798 LD23883 |
| | FBgn0000611 exd CG8933 LD03509 |
| | FBgn0034878 CG3941 CG3941 LD15650 |
| | FBgn0000577 en CG9015 LD16125 |
| | FBgn0038118 NULL CG7855 RE03551 |
| | FBgn0017453 Zn72D CG5215 GH12756 |
| | FBgn0015773 NetA CG18657 RE11206 |
| | FBgn0010453 Wnt4 CG4698 RE26454 |
| | FBgn0013725 phyl CG10108 RH04401 |
| | FBgn0029512 Aos1 CG12276 LD33652 |
| | FBgn0034878 CG3941 CG3941 LD15650 |
| | FBgn0000577 en CG9015 LD16125 |
| mesectoderm anlage; | |
| | FBgn0002932 neur CG11988 LD45505 |
| | FBgn0033992 CG11798 CG11798 LD23883 |
| | FBgn0000611 exd CG8933 LD03509 |
| | FBgn0000577 en CG9015 LD16125 |
| | FBgn0003346 Sd CG9999 LD16356 |
| | FBgn0000577 en CG9015 LD16125 |
| visceral muscle primordium; | |
| | FBgn0035542 CG11347 CG11347 GH28550 |
| | FBgn0033992 CG11798 CG11798 LD23883 |
| | FBgn0015773 NetA CG18657 RE11206 |
| | FBgn0031971 CG7224 CG7224 GH18422 |
| amnioserosa; | |
| | FBgn0035542 CG11347 CG11347 GH28550 |
| | FBgn0000659 fkh CG10002 RE03865 |
| embryonic optic lobe; | |
| | FBgn0033992 CG11798 CG11798 LD23883 |
| | FBgn0036786 skl CG13701 RE14076 |
| | FBgn0035186 CG13912 CG13912 RE20371 |
| | FBgn0010453 Wnt4 CG4698 RE26454 |
| embryonic/larval pericardial cell; | |
| | FBgn0015903 apt CG5393 LD45581 |
| embryonic dorsal epidermis; | |
| | FBgn0004868 Gdi CG4422 LD46767 |
| | FBgn0035542 CG11347 CG11347 GH28550 |
| | FBgn0037947 CG6930 CG6930 RE72719 |
| | FBgn0000577 en CG9015 LD16125 |
| | FBgn0015773 NetA CG18657 RE11206 |
| | FBgn0038150 yellow-e3 CG17045 RE14803 |
| | FBgn0035186 CG13912 CG13912 RE20371 |

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*Table 18 continued from previous page.*

| Anatomical Structures | Genes |
|---|---|
| gnathal primordium; | FBgn0000577 en CG9015 LD16125 |
| | FBgn0015903 apt CG5393 LD45581 |
| | FBgn0000577 en CG9015 LD16125 |
| | FBgn0036786 skl CG13701 RE14076 |
| | FBgn0010453 Wnt4 CG4698 RE26454 |
| | FBgn0000577 en CG9015 LD16125 |
| posterior spiracle specific anlage; | FBgn0039211 CG13620 CG13620 SD03914 |
| head mesoderm P2 primordium; | FBgn0033992 CG11798 CG11798 LD23883 |
| | FBgn0000611 exd CG8933 LD03509 |
| | FBgn0003346 Sd CG9999 LD16356 |
| | FBgn0015773 NetA CG18657 RE11206 |
| anterior midgut primordium; | FBgn0037811 CG12592 CG12592 AT09724 |
| | FBgn0000659 fkh CG10002 RE03865 |
| | FBgn0017453 Zn72D CG5215 GH12756 |
| clypeo-labral primordium; | FBgn0040230 dbo CG6224 RE13447 |
| | FBgn0005677 dac CG4952 RE64054 |
| | FBgn0015903 apt CG5393 LD45581 |
| | FBgn0000577 en CG9015 LD16125 |
| | FBgn0004567 slp2 CG2939 RE11345 |
| | FBgn0036786 skl CG13701 RE14076 |
| | FBgn0038150 yellow-e3 CG17045 RE14803 |
| | FBgn0010453 Wnt4 CG4698 RE26454 |
| | FBgn0000577 en CG9015 LD16125 |
| cardiac mesoderm primordium; | FBgn0033992 CG11798 CG11798 LD23883 |
| maxillary sensory complex primordium; | FBgn0004595 pros CG17228 GH11848 |
| embryonic ganglion mother cell; | FBgn0024332 Mcm3 CG4206 LD07144 |
| | FBgn0013469 NULL CG12296 RE58581 |
| | FBgn0002932 neur CG11988 LD45505 |
| | FBgn0004595 pros CG17228 GH11848 |
| | FBgn0030507 CG11164 CG11164 RE50056 |
| | FBgn0034878 CG3941 CG3941 LD15650 |
| | FBgn0035186 CG13912 CG13912 RE20371 |
| | FBgn0010453 Wnt4 CG4698 RE26454 |
| | FBgn0034878 CG3941 CG3941 LD15650 |
| embryonic salivary gland body; | FBgn0000659 fkh CG10002 RE03865 |
| embryonic large intestine; | FBgn0040230 dbo CG6224 RE13447 |

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*Table 18 continued from previous page.*

| Anatomical Structures | Genes |
|---|---|
| | FBgn0005677 dac CG4952 RE64054 |
| | FBgn0000577 en CG9015 LD16125 |
| | FBgn0000659 fkh CG10002 RE03865 |
| | FBgn0010453 Wnt4 CG4698 RE26454 |
| | FBgn0000577 en CG9015 LD16125 |
| germ cell; | |
| | FBgn0037811 CG12592 CG12592 AT09724 |
| embryonic esophagus; | |
| | FBgn0004868 Gdi CG4422 LD46767 |
| | FBgn0000659 fkh CG10002 RE03865 |
| | FBgn0038150 yellow-e3 CG17045 RE14803 |
| | FBgn0010453 Wnt4 CG4698 RE26454 |
| embryonic epipharynx; | |
| | FBgn0004868 Gdi CG4422 LD46767 |
| | FBgn0015903 apt CG5393 LD45581 |
| | FBgn0039211 CG13620 CG13620 SD03914 |
| | FBgn0000577 en CG9015 LD16125 |
| | FBgn0004567 slp2 CG2939 RE11345 |
| | FBgn0038150 yellow-e3 CG17045 RE14803 |
| | FBgn0010453 Wnt4 CG4698 RE26454 |
| | FBgn0000577 en CG9015 LD16125 |
| gonad; | |
| | FBgn0037811 CG12592 CG12592 AT09724 |
| | FBgn0004584 Rrp1 CG3178 LP05366 |
| | FBgn0034878 CG3941 CG3941 LD15650 |
| | FBgn0017453 Zn72D CG5215 GH12756 |
| | FBgn0029512 Aos1 CG12276 LD33652 |
| | FBgn0034878 CG3941 CG3941 LD15650 |
| embryonic maxillary sensory complex; | |
| | FBgn0004868 Gdi CG4422 LD46767 |
| | FBgn0004595 pros CG17228 GH11848 |
| head mesoderm anlage; | |
| | FBgn0024332 Mcm3 CG4206 LD07144 |
| | FBgn0002932 neur CG11988 LD45505 |
| | FBgn0033992 CG11798 CG11798 LD23883 |
| | FBgn0000611 exd CG8933 LD03509 |
| | FBgn0003346 Sd CG9999 LD16356 |
| | FBgn0015773 NetA CG18657 RE11206 |
| | FBgn0035186 CG13912 CG13912 RE20371 |
| embryonic leading edge cell; | |
| | FBgn0004595 pros CG17228 GH11848 |
| embryonic proventriculus; | |
| | FBgn0004868 Gdi CG4422 LD46767 |
| | FBgn0000659 fkh CG10002 RE03865 |
| | FBgn0015773 NetA CG18657 RE11206 |
| | FBgn0010453 Wnt4 CG4698 RE26454 |

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*Table 18 continued from previous page.*

| Anatomical Structures | Genes |
|---|---|
| dorsal ectoderm primordium; | FBgn0040271 Sulf1 CG6725 LD03060<br>FBgn0036494 Toll-6 CG7250 LD08841<br>FBgn0035542 CG11347 CG11347 GH28550<br>FBgn0040271 Sulf1 CG6725 SD04414<br>FBgn0037811 CG12592 CG12592 AT09724<br>FBgn0003300 run CG1849 GH02614<br>FBgn0015903 apt CG5393 LD45581<br>FBgn0033992 CG11798 CG11798 LD23883<br>FBgn0000611 exd CG8933 LD03509<br>FBgn0003346 Sd CG9999 LD16356<br>FBgn0038150 yellow-e3 CG17045 RE14803<br>FBgn0013725 phyl CG10108 RH04401 |
| dorsal epidermis primordium; | FBgn0040271 Sulf1 CG6725 LD03060<br>FBgn0013469 NULL CG12296 RE58581<br>FBgn0036494 Toll-6 CG7250 LD08841<br>FBgn0035542 CG11347 CG11347 GH28550<br>FBgn0040271 Sulf1 CG6725 SD04414<br>FBgn0037947 CG6930 CG6930 RE72719<br>FBgn0037811 CG12592 CG12592 AT09724<br>FBgn0033992 CG11798 CG11798 LD23883<br>FBgn0000611 exd CG8933 LD03509<br>FBgn0000577 en CG9015 LD16125<br>FBgn0038150 yellow-e3 CG17045 RE14803<br>FBgn0010453 Wnt4 CG4698 RE26454<br>FBgn0000577 en CG9015 LD16125 |
| embryonic stomatogastric nervous system; | FBgn0002561 l(1)sc CG3839 RE59335<br>FBgn0000659 fkh CG10002 RE03865<br>FBgn0013725 phyl CG10108 RH04401 |
| embryonic/larval somatic muscle; | FBgn0040271 Sulf1 CG6725 SD04414<br>FBgn0000611 exd CG8933 LD03509 |
| embryonic central brain mushroom body; | FBgn0037811 CG12592 CG12592 AT09724<br>FBgn0004584 Rrp1 CG3178 LP05366 |
| embryonic salivary gland; | FBgn0000659 fkh CG10002 RE03865 |
| ventral sensory complex specific anlage; | FBgn0002932 neur CG11988 LD45505<br>FBgn0004595 pros CG17228 GH11848<br>FBgn0002561 l(1)sc CG3839 RE59335 |
| embryonic hypopharynx; | FBgn0004868 Gdi CG4422 LD46767<br>FBgn0015903 apt CG5393 LD45581 |

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*Table 18 continued from previous page.*

| Anatomical Structures | Genes |
|---|---|
| embryonic/larval dorsal vessel; | FBgn0039211 CG13620 CG13620 SD03914 |
| embryonic central brain pars intercerebralis; | FBgn0015903 apt CG5393 LD45581 |
| | FBgn0040271 Sulf1 CG6725 LD03060 |
| | FBgn0040271 Sulf1 CG6725 SD04414 |
| | FBgn0038118 NULL CG7855 RE03551 |
| | FBgn0031971 CG7224 CG7224 GH18422 |
| embryonic central brain; | FBgn0040271 Sulf1 CG6725 LD03060 |
| | FBgn0024332 Mcm3 CG4206 LD07144 |
| | FBgn0013469 NULL CG12296 RE58581 |
| | FBgn0036494 Toll-6 CG7250 LD08841 |
| | FBgn0004868 Gdi CG4422 LD46767 |
| | FBgn0002932 neur CG11988 LD45505 |
| | FBgn0035542 CG11347 CG11347 GH28550 |
| | FBgn0040271 Sulf1 CG6725 SD04414 |
| | FBgn0004595 pros CG17228 GH11848 |
| | FBgn0040230 dbo CG6224 RE13447 |
| | FBgn0002561 l(1)sc CG3839 RE59335 |
| | FBgn0037947 CG6930 CG6930 RE72719 |
| | FBgn0037811 CG12592 CG12592 AT09724 |
| | FBgn0005677 dac CG4952 RE64054 |
| | FBgn0003300 run CG1849 GH02614 |
| | FBgn0051670 CG31670 CG31670 GH14092 |
| | FBgn0004584 Rrp1 CG3178 LP05366 |
| | FBgn0015903 apt CG5393 LD45581 |
| | FBgn0033992 CG11798 CG11798 LD23883 |
| | FBgn0039211 CG13620 CG13620 SD03914 |
| | FBgn0000611 exd CG8933 LD03509 |
| | FBgn0030507 CG11164 CG11164 RE50056 |
| | FBgn0034878 CG3941 CG3941 LD15650 |
| | FBgn0000577 en CG9015 LD16125 |
| | FBgn0003346 Sd CG9999 LD16356 |
| | FBgn0038118 NULL CG7855 RE03551 |
| | FBgn0000659 fkh CG10002 RE03865 |
| | FBgn0017453 Zn72D CG5215 GH12756 |
| | FBgn0015773 NetA CG18657 RE11206 |
| | FBgn0004567 slp2 CG2939 RE11345 |
| | FBgn0036786 skl CG13701 RE14076 |
| | FBgn0038150 yellow-e3 CG17045 RE14803 |
| | FBgn0035186 CG13912 CG13912 RE20371 |
| | FBgn0010453 Wnt4 CG4698 RE26454 |
| | FBgn0013725 phyl CG10108 RH04401 |
| | FBgn0029512 Aos1 CG12276 LD33652 |
| | FBgn0031971 CG7224 CG7224 GH18422 |

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*Table 18 continued from previous page.*

| Anatomical Structures | Genes |
|---|---|
| salivary gland body specific anlage; | FBgn0051670 CG31670 CG31670 GH14092<br>FBgn0034878 CG3941 CG3941 LD15650<br>FBgn0000577 en CG9015 LD16125 |
| ventral ectoderm primordium; | FBgn0000659 fkh CG10002 RE03865 |
| embryonic central brain neuron; | FBgn0036494 Toll-6 CG7250 LD08841<br>FBgn0035542 CG11347 CG11347 GH28550<br>FBgn0040230 dbo CG6224 RE13447<br>FBgn0037947 CG6930 CG6930 RE72719<br>FBgn0037811 CG12592 CG12592 AT09724<br>FBgn0003300 run CG1849 GH02614<br>FBgn0015903 apt CG5393 LD45581<br>FBgn0033992 CG11798 CG11798 LD23883<br>FBgn0000611 exd CG8933 LD03509<br>FBgn0030507 CG11164 CG11164 RE50056<br>FBgn0000577 en CG9015 LD16125<br>FBgn0003346 Sd CG9999 LD16356<br>FBgn0004567 slp2 CG2939 RE11345<br>FBgn0035186 CG13912 CG13912 RE20371<br>FBgn0010453 Wnt4 CG4698 RE26454<br>FBgn0013725 phyl CG10108 RH04401<br>FBgn0000577 en CG9015 LD16125 |
| | FBgn0024332 Mcm3 CG4206 LD07144<br>FBgn0002932 neur CG11988 LD45505<br>FBgn0035542 CG11347 CG11347 GH28550<br>FBgn0040230 dbo CG6224 RE13447<br>FBgn0037947 CG6930 CG6930 RE72719<br>FBgn0037811 CG12592 CG12592 AT09724<br>FBgn0051670 CG31670 CG31670 GH14092<br>FBgn0004584 Rrp1 CG3178 LP05366<br>FBgn0033992 CG11798 CG11798 LD23883<br>FBgn0039211 CG13620 CG13620 SD03914<br>FBgn0000611 exd CG8933 LD03509<br>FBgn0000577 en CG9015 LD16125<br>FBgn0038118 NULL CG7855 RE03551<br>FBgn0017453 Zn72D CG5215 GH12756<br>FBgn0015773 NetA CG18657 RE11206<br>FBgn0036786 skl CG13701 RE14076<br>FBgn0038150 yellow-e3 CG17045 RE14803<br>FBgn0010453 Wnt4 CG4698 RE26454<br>FBgn0013725 phyl CG10108 RH04401<br>FBgn0029512 Aos1 CG12276 LD33652<br>FBgn0051670 CG31670 CG31670 GH14092<br>FBgn0000577 en CG9015 LD16125 |

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*Table 18 continued from previous page.*

| Anatomical Structures | Genes |
|---|---|
| embryonic labial sensory complex; | FBgn0004868 Gdi CG4422 LD46767 |
| | FBgn0004595 pros CG17228 GH11848 |
| visual anlage; | FBgn0015903 apt CG5393 LD45581 |
| | FBgn0033992 CG11798 CG11798 LD23883 |
| | FBgn0000611 exd CG8933 LD03509 |
| | FBgn0003346 Sd CG9999 LD16356 |
| | FBgn0035186 CG13912 CG13912 RE20371 |
| Malpighian tubule main body primordium; | FBgn0000659 fkh CG10002 RE03865 |
| inclusive hindgut primordium; | FBgn0004868 Gdi CG4422 LD46767 |
| | FBgn0040230 dbo CG6224 RE13447 |
| | FBgn0037811 CG12592 CG12592 AT09724 |
| | FBgn0003300 run CG1849 GH02614 |
| | FBgn0051670 CG31670 CG31670 GH14092 |
| | FBgn0015903 apt CG5393 LD45581 |
| | FBgn0000611 exd CG8933 LD03509 |
| | FBgn0000577 en CG9015 LD16125 |
| | FBgn0003346 Sd CG9999 LD16356 |
| | FBgn0000659 fkh CG10002 RE03865 |
| | FBgn0036786 skl CG13701 RE14076 |
| | FBgn0031971 CG7224 CG7224 GH18422 |
| | FBgn0051670 CG31670 CG31670 GH14092 |
| | FBgn0000577 en CG9015 LD16125 |
| foregut anlage; | FBgn0002932 neur CG11988 LD45505 |
| | FBgn0015903 apt CG5393 LD45581 |
| | FBgn0000611 exd CG8933 LD03509 |
| | FBgn0003346 Sd CG9999 LD16356 |
| | FBgn0000659 fkh CG10002 RE03865 |
| | FBgn0035186 CG13912 CG13912 RE20371 |
| | FBgn0010453 Wnt4 CG4698 RE26454 |
| somatic muscle primordium; | FBgn0040271 Sulf1 CG6725 SD04414 |
| | FBgn0002561 l(1)sc CG3839 RE59335 |
| | FBgn0033992 CG11798 CG11798 LD23883 |
| | FBgn0000577 en CG9015 LD16125 |
| | FBgn0000577 en CG9015 LD16125 |
| lateral cord surface glia; | FBgn0002932 neur CG11988 LD45505 |
| | FBgn0004584 Rrp1 CG3178 LP05366 |
| | FBgn0038118 NULL CG7855 RE03551 |
| need new term(sensory system head); | FBgn0035542 CG11347 CG11347 GH28550 |

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*Table 18 continued from previous page.*

| Anatomical Structures | Genes |
|---|---|
| stomatogastric nervous system primordium; | FBgn0004595 pros CG17228 GH11848<br>FBgn0033992 CG11798 CG11798 LD23883<br>FBgn0017453 Zn72D CG5215 GH12756 |
| embryonic/larval posterior spiracle; | FBgn0002561 l(1)sc CG3839 RE59335<br>FBgn0000659 fkh CG10002 RE03865<br>FBgn0013725 phyl CG10108 RH04401 |
| sensory nervous system specific anlage; | FBgn0039211 CG13620 CG13620 SD03914 |
| ventral ectoderm anlage; | FBgn0040271 Sulf1 CG6725 LD03060<br>FBgn0002932 neur CG11988 LD45505<br>FBgn0004595 pros CG17228 GH11848<br>FBgn0002561 l(1)sc CG3839 RE59335<br>FBgn0017453 Zn72D CG5215 GH12756<br>FBgn0035186 CG13912 CG13912 RE20371<br>FBgn0013725 phyl CG10108 RH04401 |
| embryonic/larval visceral muscle; | FBgn0036494 Toll-6 CG7250 LD08841<br>FBgn0002932 neur CG11988 LD45505<br>FBgn0004595 pros CG17228 GH11848<br>FBgn0040230 dbo CG6224 RE13447<br>FBgn0002561 l(1)sc CG3839 RE59335<br>FBgn0037947 CG6930 CG6930 RE72719<br>FBgn0037811 CG12592 CG12592 AT09724<br>FBgn0003300 run CG1849 GH02614<br>FBgn0015903 apt CG5393 LD45581<br>FBgn0033992 CG11798 CG11798 LD23883<br>FBgn0000611 exd CG8933 LD03509<br>FBgn0000577 en CG9015 LD16125<br>FBgn0003346 Sd CG9999 LD16356<br>FBgn0038118 NULL CG7855 RE03551<br>FBgn0035186 CG13912 CG13912 RE20371<br>FBgn0010453 Wnt4 CG4698 RE26454<br>FBgn0031971 CG7224 CG7224 GH18422<br>FBgn0000577 en CG9015 LD16125 |
| ventral midline glia; | FBgn0000611 exd CG8933 LD03509<br>FBgn0015773 NetA CG18657 RE11206<br>FBgn0004567 slp2 CG2939 RE11345 |
| pars intercerebralis primordium; | FBgn0035542 CG11347 CG11347 GH28550 |
| | FBgn0040271 Sulf1 CG6725 LD03060<br>FBgn0040271 Sulf1 CG6725 SD04414<br>FBgn0038118 NULL CG7855 RE03551 |

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*Table 18 continued from previous page.*

| Anatomical Structures | Genes |
|---|---|
| | FBgn0031971 CG7224 CG7224 GH18422 |
| embryonic dorsal pouch; | |
| | FBgn0040230 dbo CG6224 RE13447 |
| | FBgn0015903 apt CG5393 LD45581 |
| | FBgn0039211 CG13620 CG13620 SD03914 |
| embryonic head epidermis; | |
| | FBgn0004868 Gdi CG4422 LD46767 |
| | FBgn0035542 CG11347 CG11347 GH28550 |
| | FBgn0040230 dbo CG6224 RE13447 |
| | FBgn0033992 CG11798 CG11798 LD23883 |
| | FBgn0039211 CG13620 CG13620 SD03914 |
| | FBgn0000577 en CG9015 LD16125 |
| | FBgn0000659 fkh CG10002 RE03865 |
| | FBgn0017453 Zn72D CG5215 GH12756 |
| | FBgn0015773 NetA CG18657 RE11206 |
| | FBgn0000577 en CG9015 LD16125 |
| lymph gland; | |
| | FBgn0037811 CG12592 CG12592 AT09724 |
| | FBgn0038118 NULL CG7855 RE03551 |
| embryonic foregut; | |
| | FBgn0004868 Gdi CG4422 LD46767 |
| | FBgn0015903 apt CG5393 LD45581 |
| | FBgn0039211 CG13620 CG13620 SD03914 |
| | FBgn0000659 fkh CG10002 RE03865 |
| | FBgn0038150 yellow-e3 CG17045 RE14803 |
| | FBgn0010453 Wnt4 CG4698 RE26454 |
| embryonic central nervous system; | |
| | FBgn0040271 Sulf1 CG6725 LD03060 |
| | FBgn0024332 Mcm3 CG4206 LD07144 |
| | FBgn0036494 Toll-6 CG7250 LD08841 |
| | FBgn0004868 Gdi CG4422 LD46767 |
| | FBgn0002932 neur CG11988 LD45505 |
| | FBgn0035542 CG11347 CG11347 GH28550 |
| | FBgn0040271 Sulf1 CG6725 SD04414 |
| | FBgn0004595 pros CG17228 GH11848 |
| | FBgn0040230 dbo CG6224 RE13447 |
| | FBgn0002561 l(1)sc CG3839 RE59335 |
| | FBgn0037947 CG6930 CG6930 RE72719 |
| | FBgn0037811 CG12592 CG12592 AT09724 |
| | FBgn0005677 dac CG4952 RE64054 |
| | FBgn0003300 run CG1849 GH02614 |
| | FBgn0051670 CG31670 CG31670 GH14092 |
| | FBgn0004584 Rrp1 CG3178 LP05366 |
| | FBgn0015903 apt CG5393 LD45581 |
| | FBgn0033992 CG11798 CG11798 LD23883 |
| | FBgn0039211 CG13620 CG13620 SD03914 |

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*Table 18 continued from previous page.*

| Anatomical Structures | Genes |
|---|---|
| | FBgn0000611 exd CG8933 LD03509 |
| | FBgn0034878 CG3941 CG3941 LD15650 |
| | FBgn0000577 en CG9015 LD16125 |
| | FBgn0003346 Sd CG9999 LD16356 |
| | FBgn0038118 NULL CG7855 RE03551 |
| | FBgn0000659 fkh CG10002 RE03865 |
| | FBgn0017453 Zn72D CG5215 GH12756 |
| | FBgn0004567 slp2 CG2939 RE11345 |
| | FBgn0036786 skl CG13701 RE14076 |
| | FBgn0035186 CG13912 CG13912 RE20371 |
| | FBgn0010453 Wnt4 CG4698 RE26454 |
| | FBgn0029512 Aos1 CG12276 LD33652 |
| | FBgn0031971 CG7224 CG7224 GH18422 |
| | FBgn0051670 CG31670 CG31670 GH14092 |
| | FBgn0034878 CG3941 CG3941 LD15650 |
| | FBgn0000577 en CG9015 LD16125 |
| embryonic main segment of Malpighian tubule; | |
| | FBgn0000659 fkh CG10002 RE03865 |
| tracheal primordium; | |
| | FBgn0037811 CG12592 CG12592 AT09724 |
| | FBgn0015903 apt CG5393 LD45581 |
| | FBgn0039211 CG13620 CG13620 SD03914 |
| procephalic neuroblasts; | |
| | FBgn0024332 Mcm3 CG4206 LD07144 |
| | FBgn0013469 NULL CG12296 RE58581 |
| | FBgn0040271 Sulf1 CG6725 SD04414 |
| | FBgn0004595 pros CG17228 GH11848 |
| | FBgn0040230 dbo CG6224 RE13447 |
| | FBgn0002561 l(1)sc CG3839 RE59335 |
| | FBgn0005677 dac CG4952 RE64054 |
| | FBgn0033992 CG11798 CG11798 LD23883 |
| | FBgn0034878 CG3941 CG3941 LD15650 |
| | FBgn0035186 CG13912 CG13912 RE20371 |
| | FBgn0010453 Wnt4 CG4698 RE26454 |
| | FBgn0034878 CG3941 CG3941 LD15650 |
| embryonic small intestine; | |
| | FBgn0040271 Sulf1 CG6725 LD03060 |
| | FBgn0000659 fkh CG10002 RE03865 |
| | FBgn0010453 Wnt4 CG4698 RE26454 |
| rectum specific anlage; | |
| | FBgn0000659 fkh CG10002 RE03865 |
| embryonic brain; | |
| | FBgn0024332 Mcm3 CG4206 LD07144 |
| | FBgn0013469 NULL CG12296 RE58581 |
| | FBgn0036494 Toll-6 CG7250 LD08841 |
| | FBgn0004868 Gdi CG4422 LD46767 |

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*Table 18 continued from previous page.*

| Anatomical Structures | Genes |
|---|---|
| | FBgn0035542 CG11347 CG11347 GH28550 |
| | FBgn0040271 Sulf1 CG6725 SD04414 |
| | FBgn0040230 dbo CG6224 RE13447 |
| | FBgn0005677 dac CG4952 RE64054 |
| | FBgn0003300 run CG1849 GH02614 |
| | FBgn0015903 apt CG5393 LD45581 |
| | FBgn0033992 CG11798 CG11798 LD23883 |
| | FBgn0039211 CG13620 CG13620 SD03914 |
| | FBgn0000611 exd CG8933 LD03509 |
| | FBgn0034878 CG3941 CG3941 LD15650 |
| | FBgn0000577 en CG9015 LD16125 |
| | FBgn0038118 NULL CG7855 RE03551 |
| | FBgn0000659 fkh CG10002 RE03865 |
| | FBgn0017453 Zn72D CG5215 GH12756 |
| | FBgn0004567 slp2 CG2939 RE11345 |
| | FBgn0036786 skl CG13701 RE14076 |
| | FBgn0035186 CG13912 CG13912 RE20371 |
| | FBgn0010453 Wnt4 CG4698 RE26454 |
| | FBgn0029512 Aos1 CG12276 LD33652 |
| | FBgn0034878 CG3941 CG3941 LD15650 |
| | FBgn0000577 en CG9015 LD16125 |
| trunk mesoderm anlage; | |
| | FBgn0024332 Mcm3 CG4206 LD07144 |
| | FBgn0002932 neur CG11988 LD45505 |
| | FBgn0037947 CG6930 CG6930 RE72719 |
| | FBgn0033992 CG11798 CG11798 LD23883 |
| | FBgn0000611 exd CG8933 LD03509 |
| | FBgn0000577 en CG9015 LD16125 |
| | FBgn0003346 Sd CG9999 LD16356 |
| | FBgn0015773 NetA CG18657 RE11206 |
| | FBgn0035186 CG13912 CG13912 RE20371 |
| | FBgn0000577 en CG9015 LD16125 |
| anterior endoderm anlage; | |
| | FBgn0002932 neur CG11988 LD45505 |
| | FBgn0037947 CG6930 CG6930 RE72719 |
| | FBgn0015903 apt CG5393 LD45581 |
| | FBgn0000611 exd CG8933 LD03509 |
| | FBgn0003346 Sd CG9999 LD16356 |
| | FBgn0000659 fkh CG10002 RE03865 |
| | FBgn0035186 CG13912 CG13912 RE20371 |
| embryonic Malpighian tubule; | |
| | FBgn0038118 NULL CG7855 RE03551 |
| | FBgn0000659 fkh CG10002 RE03865 |
| ventral nerve cord primordium; | |
| | FBgn0040271 Sulf1 CG6725 LD03060 |
| | FBgn0024332 Mcm3 CG4206 LD07144 |

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*Table 18 continued from previous page.*

| Anatomical Structures | Genes |
|---|---|
| | FBgn0013469 NULL CG12296 RE58581 |
| | FBgn0036494 Toll-6 CG7250 LD08841 |
| | FBgn0004868 Gdi CG4422 LD46767 |
| | FBgn0002932 neur CG11988 LD45505 |
| | FBgn0035542 CG11347 CG11347 GH28550 |
| | FBgn0040271 Sulf1 CG6725 SD04414 |
| | FBgn0004595 pros CG17228 GH11848 |
| | FBgn0040230 dbo CG6224 RE13447 |
| | FBgn0002561 l(1)sc CG3839 RE59335 |
| | FBgn0037947 CG6930 CG6930 RE72719 |
| | FBgn0037811 CG12592 CG12592 AT09724 |
| | FBgn0003300 run CG1849 GH02614 |
| | FBgn0004584 Rrp1 CG3178 LP05366 |
| | FBgn0015903 apt CG5393 LD45581 |
| | FBgn0033992 CG11798 CG11798 LD23883 |
| | FBgn0000611 exd CG8933 LD03509 |
| | FBgn0030507 CG11164 CG11164 RE50056 |
| | FBgn0034878 CG3941 CG3941 LD15650 |
| | FBgn0000577 en CG9015 LD16125 |
| | FBgn0003346 Sd CG9999 LD16356 |
| | FBgn0038118 NULL CG7855 RE03551 |
| | FBgn0017453 Zn72D CG5215 GH12756 |
| | FBgn0015773 NetA CG18657 RE11206 |
| | FBgn0004567 slp2 CG2939 RE11345 |
| | FBgn0035186 CG13912 CG13912 RE20371 |
| | FBgn0010453 Wnt4 CG4698 RE26454 |
| | FBgn0013725 phyl CG10108 RH04401 |
| | FBgn0029512 Aos1 CG12276 LD33652 |
| | FBgn0034878 CG3941 CG3941 LD15650 |
| | FBgn0000577 en CG9015 LD16125 |
| atrium; | |
| | FBgn0015903 apt CG5393 LD45581 |
| | FBgn0000577 en CG9015 LD16125 |
| | FBgn0000577 en CG9015 LD16125 |
| adult midgut precursor; | |
| | FBgn0004595 pros CG17228 GH11848 |
| lateral cord; | |
| | FBgn0040271 Sulf1 CG6725 LD03060 |
| | FBgn0024332 Mcm3 CG4206 LD07144 |
| | FBgn0036494 Toll-6 CG7250 LD08841 |
| | FBgn0004868 Gdi CG4422 LD46767 |
| | FBgn0002932 neur CG11988 LD45505 |
| | FBgn0035542 CG11347 CG11347 GH28550 |
| | FBgn0040271 Sulf1 CG6725 SD04414 |
| | FBgn0004595 pros CG17228 GH11848 |
| | FBgn0040230 dbo CG6224 RE13447 |

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*Table 18 continued from previous page.*

| Anatomical Structures | Genes |
|---|---|
| posterior endoderm anlage; | FBgn0002561 l(1)sc CG3839 RE59335<br>FBgn0037947 CG6930 CG6930 RE72719<br>FBgn0005677 dac CG4952 RE64054<br>FBgn0003300 run CG1849 GH02614<br>FBgn0004584 Rrp1 CG3178 LP05366<br>FBgn0015903 apt CG5393 LD45581<br>FBgn0033992 CG11798 CG11798 LD23883<br>FBgn0000611 exd CG8933 LD03509<br>FBgn0030507 CG11164 CG11164 RE50056<br>FBgn0034878 CG3941 CG3941 LD15650<br>FBgn0000577 en CG9015 LD16125<br>FBgn0003346 Sd CG9999 LD16356<br>FBgn0038118 NULL CG7855 RE03551<br>FBgn0017453 Zn72D CG5215 GH12756<br>FBgn0015773 NetA CG18657 RE11206<br>FBgn0004567 slp2 CG2939 RE11345<br>FBgn0036786 skl CG13701 RE14076<br>FBgn0035186 CG13912 CG13912 RE20371<br>FBgn0010453 Wnt4 CG4698 RE26454<br>FBgn0029512 Aos1 CG12276 LD33652<br>FBgn0034878 CG3941 CG3941 LD15650<br>FBgn0000577 en CG9015 LD16125 |
| trunk mesoderm primordium; | FBgn0002932 neur CG11988 LD45505<br>FBgn0002561 l(1)sc CG3839 RE59335<br>FBgn0037947 CG6930 CG6930 RE72719<br>FBgn0015903 apt CG5393 LD45581<br>FBgn0000611 exd CG8933 LD03509<br>FBgn0003346 Sd CG9999 LD16356<br>FBgn0000659 fkh CG10002 RE03865<br>FBgn0035186 CG13912 CG13912 RE20371 |
| protocerebrum primordium; | FBgn0035542 CG11347 CG11347 GH28550<br>FBgn0002561 l(1)sc CG3839 RE59335<br>FBgn0033992 CG11798 CG11798 LD23883<br>FBgn0000611 exd CG8933 LD03509<br>FBgn0000577 en CG9015 LD16125<br>FBgn0003346 Sd CG9999 LD16356<br>FBgn0015773 NetA CG18657 RE11206<br>FBgn0000577 en CG9015 LD16125 |
| | FBgn0040271 Sulf1 CG6725 LD03060<br>FBgn0024332 Mcm3 CG4206 LD07144<br>FBgn0013469 NULL CG12296 RE58581<br>FBgn0036494 Toll-6 CG7250 LD08841<br>FBgn0004868 Gdi CG4422 LD46767 |

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*Table 18 continued from previous page.*

| Anatomical Structures | Genes |
|---|---|
| | FBgn0002932 neur CG11988 LD45505<br>FBgn0035542 CG11347 CG11347 GH28550<br>FBgn0040271 Sulf1 CG6725 SD04414<br>FBgn0004595 pros CG17228 GH11848<br>FBgn0040230 dbo CG6224 RE13447<br>FBgn0002561 l(1)sc CG3839 RE59335<br>FBgn0037947 CG6930 CG6930 RE72719<br>FBgn0037811 CG12592 CG12592 AT09724<br>FBgn0005677 dac CG4952 RE64054<br>FBgn0003300 run CG1849 GH02614<br>FBgn0051670 CG31670 CG31670 GH14092<br>FBgn0004584 Rrp1 CG3178 LP05366<br>FBgn0015903 apt CG5393 LD45581<br>FBgn0033992 CG11798 CG11798 LD23883<br>FBgn0039211 CG13620 CG13620 SD03914<br>FBgn0000611 exd CG8933 LD03509<br>FBgn0030507 CG11164 CG11164 RE50056<br>FBgn0034878 CG3941 CG3941 LD15650<br>FBgn0000577 en CG9015 LD16125<br>FBgn0003346 Sd CG9999 LD16356<br>FBgn0038118 NULL CG7855 RE03551<br>FBgn0000659 fkh CG10002 RE03865<br>FBgn0017453 Zn72D CG5215 GH12756<br>FBgn0015773 NetA CG18657 RE11206<br>FBgn0004567 slp2 CG2939 RE11345<br>FBgn0036786 skl CG13701 RE14076<br>FBgn0038150 yellow-e3 CG17045 RE14803<br>FBgn0035186 CG13912 CG13912 RE20371<br>FBgn0010453 Wnt4 CG4698 RE26454<br>FBgn0013725 phyl CG10108 RH04401<br>FBgn0029512 Aos1 CG12276 LD33652<br>FBgn0031971 CG7224 CG7224 GH18422<br>FBgn0051670 CG31670 CG31670 GH14092<br>FBgn0034878 CG3941 CG3941 LD15650<br>FBgn0000577 en CG9015 LD16125 |
| embryonic/larval garland cell;<br><br>embryonic dorsal pouch primordium;<br><br>embryonic/larval tracheal system;<br><br>ventral epidermis primordium; | FBgn0004595 pros CG17228 GH11848<br><br>FBgn0015903 apt CG5393 LD45581<br><br>FBgn0039211 CG13620 CG13620 SD03914<br><br>FBgn0036494 Toll-6 CG7250 LD08841<br>FBgn0035542 CG11347 CG11347 GH28550<br>FBgn0040230 dbo CG6224 RE13447<br>FBgn0037947 CG6930 CG6930 RE72719 |

*continued on next page...*

| *Table 18 continued from previous page.* | |
|---|---|
| Anatomical Structures | Genes |
| neuroblasts of ventral nervous system; | FBgn0037811 CG12592 CG12592 AT09724<br>FBgn0003300 run CG1849 GH02614<br>FBgn0015903 apt CG5393 LD45581<br>FBgn0033992 CG11798 CG11798 LD23883<br>FBgn0000611 exd CG8933 LD03509<br>FBgn0000577 en CG9015 LD16125<br>FBgn0004567 slp2 CG2939 RE11345<br>FBgn0038150 yellow-e3 CG17045 RE14803<br>FBgn0035186 CG13912 CG13912 RE20371<br>FBgn0010453 Wnt4 CG4698 RE26454<br>FBgn0000577 en CG9015 LD16125<br><br>FBgn0024332 Mcm3 CG4206 LD07144<br>FBgn0036494 Toll-6 CG7250 LD08841<br>FBgn0002932 neur CG11988 LD45505<br>FBgn0040271 Sulf1 CG6725 SD04414<br>FBgn0004595 pros CG17228 GH11848<br>FBgn0040230 dbo CG6224 RE13447<br>FBgn0002561 l(1)sc CG3839 RE59335<br>FBgn0003300 run CG1849 GH02614<br>FBgn0033992 CG11798 CG11798 LD23883<br>FBgn0030507 CG11164 CG11164 RE50056<br>FBgn0034878 CG3941 CG3941 LD15650<br>FBgn0003346 Sd CG9999 LD16356<br>FBgn0038118 NULL CG7855 RE03551<br>FBgn0035186 CG13912 CG13912 RE20371<br>FBgn0034878 CG3941 CG3941 LD15650 |
| embryonic antennal sense organ; | |
| hindgut anlage; | FBgn0004868 Gdi CG4422 LD46767<br><br>FBgn0040230 dbo CG6224 RE13447<br>FBgn0003300 run CG1849 GH02614<br>FBgn0015903 apt CG5393 LD45581<br>FBgn0000611 exd CG8933 LD03509<br>FBgn0000577 en CG9015 LD16125<br>FBgn0003346 Sd CG9999 LD16356<br>FBgn0000659 fkh CG10002 RE03865<br>FBgn0031971 CG7224 CG7224 GH18422<br>FBgn0000577 en CG9015 LD16125 |