

Table 16: **Diversity of anatomical annotations of genes comprising functional unit vna2lcord:**
ventral neuroderm anlage && ventral nerve cord primordium && lateral cord

Anatomical Structures	Genes
embryonic optic lobe primordium;	FBgn0002932 neur CG11988 LD45505 FBgn0033992 CG11798 CG11798 LD23883 FBgn0010453 Wnt4 CG4698 RE26454
embryonic esophagus;	FBgn0031745 CG8965 CG8965 GH01721 FBgn0010453 Wnt4 CG4698 RE26454
dorsal pharyngeal muscle primordium;	FBgn0033992 CG11798 CG11798 LD23883
embryonic epipharynx;	FBgn0031745 CG8965 CG8965 GH01721 FBgn0015903 apt CG5393 LD45581 FBgn0000577 en CG9015 LD16125 FBgn0010453 Wnt4 CG4698 RE26454 FBgn0000577 en CG9015 LD16125
ventral midline;	FBgn0031745 CG8965 CG8965 GH01721 FBgn0040271 Sulf1 CG6725 SD04414 FBgn0000577 en CG9015 LD16125 FBgn0000411 D CG5893 AT02631 FBgn0015773 NetA CG18657 RE11206 FBgn0010105 comm CG17943 RH64772 FBgn0000577 en CG9015 LD16125
gonad;	FBgn0032130 CG3838 CG3838 LD21447 FBgn0038434 CG14897 CG14897 RE60459 FBgn0029512 Aos1 CG12276 LD33652 FBgn0017453 Zn72D CG5215 GH12756
head mesoderm anlage;	FBgn0037707 RnpS1 CG16788 LD23870 FBgn0002932 neur CG11988 LD45505 FBgn0032130 CG3838 CG3838 LD21447 FBgn0033992 CG11798 CG11798 LD23883 FBgn0000611 exd CG8933 LD03509 FBgn0003346 Sd CG9999 LD16356 FBgn0015773 NetA CG18657 RE11206 FBgn0052982 CG32982 CG32982 RE11317
embryonic midgut;	FBgn0037707 RnpS1 CG16788 LD23870 FBgn0000071 Ama CG2198 LD39923 FBgn0040271 Sulf1 CG6725 SD04414 FBgn0032130 CG3838 CG3838 LD21447 FBgn0000611 exd CG8933 LD03509
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<i>Table 16 continued from previous page.</i>	
Anatomical Structures	Genes
embryonic proventriculus;	FBgn0038118 NULL CG7855 RE03551 FBgn0010453 Wnt4 CG4698 RE26454
	FBgn0032130 CG3838 CG3838 LD21447 FBgn0015773 NetA CG18657 RE11206 FBgn0010453 Wnt4 CG4698 RE26454
procephalic ectoderm primordium;	FBgn0036494 Toll-6 CG7250 LD08841 FBgn0033802 CG17724 CG17724 LD12453 FBgn0037707 RnpS1 CG16788 LD23870 FBgn0000071 Ama CG2198 LD39923 FBgn0002932 neur CG11988 LD45505 FBgn0040271 Sulf1 CG6725 SD04414 FBgn0040230 dbo CG6224 RE13447 FBgn0002561 l(1)sc CG3839 RE59335 FBgn0003300 run CG1849 GH02614 FBgn0032130 CG3838 CG3838 LD21447 FBgn0015903 apt CG5393 LD45581 FBgn0033992 CG11798 CG11798 LD23883 FBgn0000611 exd CG8933 LD03509 FBgn0000577 en CG9015 LD16125 FBgn0003346 Sd CG9999 LD16356 FBgn0038118 NULL CG7855 RE03551 FBgn0015773 NetA CG18657 RE11206 FBgn0015271 Orc5 CG7833 RE16687 FBgn0031878 CG9188 CG9188 RE16905 FBgn0010453 Wnt4 CG4698 RE26454 FBgn0030507 CG11164 CG11164 RE50056 FBgn0012066 DNAPol-delta CG5949 RE60511 FBgn0032906 CG9273 CG9273 RH07841 FBgn0010105 comm CG17943 RH64772 FBgn0029512 Aos1 CG12276 LD33652 FBgn0017453 Zn72D CG5215 GH12756 FBgn0015270 Orc2 CG3041 GH13824 FBgn0000577 en CG9015 LD16125
	embryonic/larval circulatory system;
dorsal ectoderm primordium;	FBgn0036494 Toll-6 CG7250 LD08841 FBgn0000071 Ama CG2198 LD39923 FBgn0040271 Sulf1 CG6725 SD04414 FBgn0010109 dpn CG8704 RE34993 FBgn0003300 run CG1849 GH02614 FBgn0015903 apt CG5393 LD45581 FBgn0033992 CG11798 CG11798 LD23883 FBgn0000611 exd CG8933 LD03509

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Anatomical Structures	Genes
dorsal epidermis primordium;	FBgn0003346 Sd CG9999 LD16356
	FBgn0010105 comm CG17943 RH64772
embryonic stomatogastric nervous system;	FBgn0036494 Toll-6 CG7250 LD08841
	FBgn0040271 Sulf1 CG6725 SD04414
	FBgn0033992 CG11798 CG11798 LD23883
	FBgn0000611 exd CG8933 LD03509
	FBgn0000577 en CG9015 LD16125
	FBgn0010453 Wnt4 CG4698 RE26454
	FBgn0010105 comm CG17943 RH64772
	FBgn0000577 en CG9015 LD16125
ventral neuroderm anlage;	FBgn0031745 CG8965 CG8965 GH01721
	FBgn0002561 l(1)sc CG3839 RE59335
	FBgn0000492 Dr CG1897 LD04235
	FBgn0036494 Toll-6 CG7250 LD08841
	FBgn0033802 CG17724 CG17724 LD12453
	FBgn0037707 RnpS1 CG16788 LD23870
	FBgn0031745 CG8965 CG8965 GH01721
	FBgn0000071 Ama CG2198 LD39923
	FBgn0002932 neur CG11988 LD45505
	FBgn0040271 Sulf1 CG6725 SD04414
	FBgn0040230 dbo CG6224 RE13447
	FBgn0002561 l(1)sc CG3839 RE59335
	FBgn0010109 dpn CG8704 RE34993
	FBgn0003300 run CG1849 GH02614
	FBgn0032130 CG3838 CG3838 LD21447
	FBgn0015903 apt CG5393 LD45581
	FBgn0033992 CG11798 CG11798 LD23883
	FBgn0000611 exd CG8933 LD03509
	FBgn0000577 en CG9015 LD16125
	FBgn0003346 Sd CG9999 LD16356
	FBgn0000492 Dr CG1897 LD04235
	FBgn0000411 D CG5893 AT02631
	FBgn0038118 NULL CG7855 RE03551
	FBgn0015773 NetA CG18657 RE11206
	FBgn0052982 CG32982 CG32982 RE11317
	FBgn0015271 Orc5 CG7833 RE16687
	FBgn0031878 CG9188 CG9188 RE16905
	FBgn0010453 Wnt4 CG4698 RE26454
	FBgn0030507 CG11164 CG11164 RE50056
	FBgn0038434 CG14897 CG14897 RE60459
	FBgn0012066 DNapol-delta CG5949 RE60511
	FBgn0032906 CG9273 CG9273 RH07841
	FBgn0010105 comm CG17943 RH64772

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Anatomical Structures	Genes
embryonic/larval somatic muscle;	FBgn0029512 Aosl CG12276 LD33652
	FBgn0017453 Zn72D CG5215 GH12756
	FBgn0015270 Orc2 CG3041 GH13824
	FBgn0000577 en CG9015 LD16125
	FBgn0037707 RnpS1 CG16788 LD23870
	FBgn0031745 CG8965 CG8965 GH01721
	FBgn0040271 Sulf1 CG6725 SD04414
	FBgn0000611 exd CG8933 LD03509
	FBgn0033992 CG11798 CG11798 LD23883
	FBgn0010453 Wnt4 CG4698 RE26454
need new term(larval eye primordium);	FBgn0002932 neur CG11988 LD45505
embryonic inner optic lobe;	FBgn0002561 l(1)sc CG3839 RE59335
ventral sensory complex specific anlage;	FBgn0036494 Toll-6 CG7250 LD08841
procephalic ectoderm anlage;	FBgn0033802 CG17724 CG17724 LD12453
	FBgn0037707 RnpS1 CG16788 LD23870
	FBgn0000071 Ama CG2198 LD39923
	FBgn0002932 neur CG11988 LD45505
	FBgn0040230 dbo CG6224 RE13447
	FBgn0002561 l(1)sc CG3839 RE59335
	FBgn0003300 run CG1849 GH02614
	FBgn0015903 apt CG5393 LD45581
	FBgn0033992 CG11798 CG11798 LD23883
	FBgn0000611 exd CG8933 LD03509
ring gland;	FBgn0000577 en CG9015 LD16125
	FBgn0003346 Sd CG9999 LD16356
	FBgn0038118 NULL CG7855 RE03551
	FBgn0031878 CG9188 CG9188 RE16905
	FBgn0010453 Wnt4 CG4698 RE26454
	FBgn0030507 CG11164 CG11164 RE50056
	FBgn0010105 comm CG17943 RH64772
	FBgn0029512 Aosl CG12276 LD33652
	FBgn0015270 Orc2 CG3041 GH13824
	FBgn0000577 en CG9015 LD16125
dorsal ectoderm anlage;	FBgn0015903 apt CG5393 LD45581
	FBgn0000071 Ama CG2198 LD39923
	FBgn0010109 dpn CG8704 RE34993
	FBgn0003300 run CG1849 GH02614
	FBgn0033992 CG11798 CG11798 LD23883
	FBgn0000611 exd CG8933 LD03509

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Anatomical Structures	Genes
mesectoderm primordium;	FBgn0000577 en CG9015 LD16125
	FBgn0003346 Sd CG9999 LD16356
	FBgn0000577 en CG9015 LD16125
embryonic gastric caecum;	FBgn0031745 CG8965 CG8965 GH01721
	FBgn0002932 neur CG11988 LD45505
	FBgn0033992 CG11798 CG11798 LD23883
	FBgn0000577 en CG9015 LD16125
	FBgn0003346 Sd CG9999 LD16356
	FBgn0015773 NetA CG18657 RE11206
	FBgn0010105 comm CG17943 RH64772
embryonic hypopharynx;	FBgn0000577 en CG9015 LD16125
	FBgn0010453 Wnt4 CG4698 RE26454
embryonic esophageal ganglion;	FBgn0031745 CG8965 CG8965 GH01721
	FBgn0015903 apt CG5393 LD45581
embryonic/larval dorsal vessel;	FBgn0031745 CG8965 CG8965 GH01721
	FBgn0015903 apt CG5393 LD45581
embryonic central brain pars intercerebralis;	FBgn0040271 Sulf1 CG6725 SD04414
	FBgn0038118 NULL CG7855 RE03551
embryonic central brain;	FBgn0036494 Toll-6 CG7250 LD08841
	FBgn0002932 neur CG11988 LD45505
	FBgn0040271 Sulf1 CG6725 SD04414
	FBgn0040230 dbo CG6224 RE13447
	FBgn0002561 l(1)sc CG3839 RE59335
	FBgn0003300 run CG1849 GH02614
	FBgn0015903 apt CG5393 LD45581
	FBgn0033992 CG11798 CG11798 LD23883
	FBgn0000611 exd CG8933 LD03509
	FBgn0000577 en CG9015 LD16125
	FBgn0003346 Sd CG9999 LD16356
	FBgn0038118 NULL CG7855 RE03551
	FBgn0015773 NetA CG18657 RE11206
	FBgn0010453 Wnt4 CG4698 RE26454
	FBgn0029512 Aos1 CG12276 LD33652
	FBgn0000577 en CG9015 LD16125
embryonic central brain neuron;	FBgn0002932 neur CG11988 LD45505
	FBgn0040230 dbo CG6224 RE13447
	FBgn0033992 CG11798 CG11798 LD23883
	FBgn0000611 exd CG8933 LD03509

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Anatomical Structures	Genes	
ventral ectoderm primordium;	FBgn0000577 en CG9015 LD16125	
	FBgn0000411 D CG5893 AT02631	
	FBgn0038118 NULL CG7855 RE03551	
	FBgn0015773 NetA CG18657 RE11206	
	FBgn0010453 Wnt4 CG4698 RE26454	
	FBgn0038434 CG14897 CG14897 RE60459	
	FBgn0029512 Aos1 CG12276 LD33652	
	FBgn0017453 Zn72D CG5215 GH12756	
	FBgn0015270 Orc2 CG3041 GH13824	
	FBgn0000577 en CG9015 LD16125	
	FBgn0036494 Toll-6 CG7250 LD08841	
	FBgn0033802 CG17724 CG17724 LD12453	
	FBgn0000071 Ama CG2198 LD39923	
	FBgn0040230 dbo CG6224 RE13447	
	FBgn0010109 dpn CG8704 RE34993	
	FBgn0003300 run CG1849 GH02614	
	FBgn0032130 CG3838 CG3838 LD21447	
	FBgn0015903 apt CG5393 LD45581	
FBgn0033992 CG11798 CG11798 LD23883		
visual anlage;	FBgn0000611 exd CG8933 LD03509	
	FBgn0000577 en CG9015 LD16125	
	FBgn0003346 Sd CG9999 LD16356	
	FBgn0000492 Dr CG1897 LD04235	
	FBgn0052982 CG32982 CG32982 RE11317	
	FBgn0010453 Wnt4 CG4698 RE26454	
	FBgn0030507 CG11164 CG11164 RE50056	
	FBgn0012066 DNAPol-delta CG5949 RE60511	
	FBgn0000577 en CG9015 LD16125	
	FBgn0015903 apt CG5393 LD45581	
	FBgn0033992 CG11798 CG11798 LD23883	
	FBgn0000611 exd CG8933 LD03509	
	FBgn0003346 Sd CG9999 LD16356	
	FBgn0010105 comm CG17943 RH64772	
	FBgn0015270 Orc2 CG3041 GH13824	
	pericardial cell specific anlage;	FBgn0015903 apt CG5393 LD45581
	somatic muscle primordium;	FBgn0037707 RnpS1 CG16788 LD23870
		FBgn0031745 CG8965 CG8965 GH01721
FBgn0040271 Sulf1 CG6725 SD04414		
FBgn0002561 l(1)sc CG3839 RE59335		
FBgn0033992 CG11798 CG11798 LD23883		
FBgn0000577 en CG9015 LD16125		
FBgn0000492 Dr CG1897 LD04235		

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Anatomical Structures	Genes
foregut anlage;	FBgn0000577 en CG9015 LD16125
	FBgn0037707 RnpS1 CG16788 LD23870
	FBgn0002932 neur CG11988 LD45505
	FBgn0015903 apt CG5393 LD45581
	FBgn0000611 exd CG8933 LD03509
	FBgn0003346 Sd CG9999 LD16356
	FBgn0010453 Wnt4 CG4698 RE26454
inclusive hindgut primordium;	FBgn0037707 RnpS1 CG16788 LD23870
	FBgn0031745 CG8965 CG8965 GH01721
	FBgn0040230 dbo CG6224 RE13447
	FBgn0010109 dpn CG8704 RE34993
	FBgn0003300 run CG1849 GH02614
	FBgn0015903 apt CG5393 LD45581
	FBgn0000611 exd CG8933 LD03509
	FBgn0000577 en CG9015 LD16125
	FBgn0003346 Sd CG9999 LD16356
	FBgn0000411 D CG5893 AT02631
	FBgn0000577 en CG9015 LD16125
circular visceral muscle fibers;	
need new term(sensory system head);	FBgn0015773 NetA CG18657 RE11206
	FBgn0010109 dpn CG8704 RE34993
	FBgn0033992 CG11798 CG11798 LD23883
	FBgn0010105 comm CG17943 RH64772
	FBgn0017453 Zn72D CG5215 GH12756
lateral cord surface glia;	
	FBgn0002932 neur CG11988 LD45505
	FBgn0038118 NULL CG7855 RE03551
	FBgn0015270 Orc2 CG3041 GH13824
stomatogastric nervous system primordium;	
	FBgn0031745 CG8965 CG8965 GH01721
	FBgn0002561 l(1)sc CG3839 RE59335
	FBgn0000492 Dr CG1897 LD04235
embryonic/larval muscle system;	
	FBgn0037707 RnpS1 CG16788 LD23870
	FBgn0000611 exd CG8933 LD03509
	FBgn0000492 Dr CG1897 LD04235
	FBgn0015773 NetA CG18657 RE11206
anterior endoderm primordium;	
	FBgn0037707 RnpS1 CG16788 LD23870
	FBgn0032130 CG3838 CG3838 LD21447
	FBgn0015903 apt CG5393 LD45581
	FBgn0000611 exd CG8933 LD03509
	FBgn0003346 Sd CG9999 LD16356

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Anatomical Structures	Genes
embryonic rectum;	FBgn0000492 Dr CG1897 LD04235 FBgn0010453 Wnt4 CG4698 RE26454
posterior midgut primordium;	FBgn0037707 RnpS1 CG16788 LD23870 FBgn0000071 Ama CG2198 LD39923 FBgn0002561 l(1)sc CG3839 RE59335 FBgn0017453 Zn72D CG5215 GH12756
ventral sensory complex primordium;	FBgn0002932 neur CG11988 LD45505 FBgn0040271 Sulf1 CG6725 SD04414 FBgn0003300 run CG1849 GH02614 FBgn0033992 CG11798 CG11798 LD23883
sensory nervous system specific anlage;	FBgn0000071 Ama CG2198 LD39923 FBgn0002932 neur CG11988 LD45505 FBgn0002561 l(1)sc CG3839 RE59335 FBgn0010109 dpn CG8704 RE34993 FBgn0017453 Zn72D CG5215 GH12756
posterior endoderm primordium;	FBgn0037707 RnpS1 CG16788 LD23870 FBgn0002561 l(1)sc CG3839 RE59335 FBgn0032130 CG3838 CG3838 LD21447 FBgn0015903 apt CG5393 LD45581 FBgn0000611 exd CG8933 LD03509 FBgn0003346 Sd CG9999 LD16356
ventral ectoderm anlage;	FBgn0036494 Toll-6 CG7250 LD08841 FBgn0031745 CG8965 CG8965 GH01721 FBgn0000071 Ama CG2198 LD39923 FBgn0002932 neur CG11988 LD45505 FBgn0040230 dbo CG6224 RE13447 FBgn0002561 l(1)sc CG3839 RE59335 FBgn0010109 dpn CG8704 RE34993 FBgn0003300 run CG1849 GH02614 FBgn0032130 CG3838 CG3838 LD21447 FBgn0015903 apt CG5393 LD45581 FBgn0033992 CG11798 CG11798 LD23883 FBgn0000611 exd CG8933 LD03509 FBgn0000577 en CG9015 LD16125 FBgn0003346 Sd CG9999 LD16356 FBgn0000492 Dr CG1897 LD04235 FBgn0000411 D CG5893 AT02631 FBgn0038118 NULL CG7855 RE03551 FBgn0052982 CG32982 CG32982 RE11317 FBgn0010453 Wnt4 CG4698 RE26454
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<i>Table 16 continued from previous page.</i>	
Anatomical Structures	Genes
embryonic central brain glia;	FBgn0010105 comm CG17943 RH64772
	FBgn0015270 Orc2 CG3041 GH13824
	FBgn0000577 en CG9015 LD16125
	FBgn0002932 neur CG11988 LD45505
	FBgn0033992 CG11798 CG11798 LD23883
	FBgn0000611 exd CG8933 LD03509
	FBgn0000411 D CG5893 AT02631
	FBgn0029512 Aos1 CG12276 LD33652
	FBgn0017453 Zn72D CG5215 GH12756
	FBgn0015270 Orc2 CG3041 GH13824
embryonic frontal ganglion;	FBgn0031745 CG8965 CG8965 GH01721
	FBgn0040271 Sulf1 CG6725 SD04414
midline primordium;	FBgn0002561 l(1)sc CG3839 RE59335
	FBgn0000577 en CG9015 LD16125
	FBgn0015773 NetA CG18657 RE11206
	FBgn0010105 comm CG17943 RH64772
	FBgn0000577 en CG9015 LD16125
	FBgn0037707 RnpS1 CG16788 LD23870
	FBgn0031745 CG8965 CG8965 GH01721
hindgut proper primordium;	FBgn0040230 dbo CG6224 RE13447
	FBgn0000577 en CG9015 LD16125
	FBgn0000411 D CG5893 AT02631
	FBgn0010453 Wnt4 CG4698 RE26454
	FBgn0017453 Zn72D CG5215 GH12756
	FBgn0000577 en CG9015 LD16125
	FBgn0037707 RnpS1 CG16788 LD23870
	FBgn0031745 CG8965 CG8965 GH01721
embryonic/larval visceral muscle;	FBgn0000611 exd CG8933 LD03509
	FBgn0015773 NetA CG18657 RE11206
	FBgn0040230 dbo CG6224 RE13447
embryonic dorsal pouch;	FBgn0015903 apt CG5393 LD45581
	FBgn0040271 Sulf1 CG6725 SD04414
pars intercerebralis primordium;	FBgn0038118 NULL CG7855 RE03551
	FBgn0031745 CG8965 CG8965 GH01721
ventral midline glia;	FBgn0000411 D CG5893 AT02631
	FBgn0033802 CG17724 CG17724 LD12453
embryonic head epidermis;	FBgn0040230 dbo CG6224 RE13447

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Anatomical Structures	Genes
lymph gland;	FBgn0033992 CG11798 CG11798 LD23883 FBgn0000577 en CG9015 LD16125 FBgn0000492 Dr CG1897 LD04235 FBgn0015773 NetA CG18657 RE11206 FBgn0017453 Zn72D CG5215 GH12756 FBgn0000577 en CG9015 LD16125
proventriculus primordium;	FBgn0038118 NULL CG7855 RE03551 FBgn0032906 CG9273 CG9273 RH07841
embryonic central brain surface glia;	FBgn0037707 RnpS1 CG16788 LD23870 FBgn0003346 Sd CG9999 LD16356
embryonic main segment of Malpighian tubule;	FBgn0002932 neur CG11988 LD45505 FBgn0015271 Orc5 CG7833 RE16687 FBgn0030507 CG11164 CG11164 RE50056 FBgn0012066 DNAPol-delta CG5949 RE60511 FBgn0015270 Orc2 CG3041 GH13824
antennal primordium2;	FBgn0012066 DNAPol-delta CG5949 RE60511
embryonic central nervous system;	FBgn0003346 Sd CG9999 LD16356 FBgn0036494 Toll-6 CG7250 LD08841 FBgn0033802 CG17724 CG17724 LD12453 FBgn0037707 RnpS1 CG16788 LD23870 FBgn0002932 neur CG11988 LD45505 FBgn0040271 Sulfl CG6725 SD04414 FBgn0040230 dbo CG6224 RE13447 FBgn0002561 l(1)sc CG3839 RE59335 FBgn0010109 dpn CG8704 RE34993 FBgn0003300 run CG1849 GH02614 FBgn0015903 apt CG5393 LD45581 FBgn0033992 CG11798 CG11798 LD23883 FBgn0000611 exd CG8933 LD03509 FBgn0000577 en CG9015 LD16125 FBgn0003346 Sd CG9999 LD16356 FBgn0038118 NULL CG7855 RE03551 FBgn0015271 Orc5 CG7833 RE16687 FBgn0031878 CG9188 CG9188 RE16905 FBgn0010453 Wnt4 CG4698 RE26454 FBgn0038434 CG14897 CG14897 RE60459 FBgn0032906 CG9273 CG9273 RH07841 FBgn0010105 comm CG17943 RH64772 FBgn0029512 Aos1 CG12276 LD33652 FBgn0017453 Zn72D CG5215 GH12756
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<i>Table 16 continued from previous page.</i>	
Anatomical Structures	Genes
embryonic foregut;	FBgn0015270 Orc2 CG3041 GH13824 FBgn0000577 en CG9015 LD16125
	FBgn0031745 CG8965 CG8965 GH01721 FBgn0015903 apt CG5393 LD45581 FBgn0010453 Wnt4 CG4698 RE26454
tracheal primordium;	FBgn0031745 CG8965 CG8965 GH01721 FBgn0015903 apt CG5393 LD45581
large intestine specific anlage;	FBgn0040230 dbo CG6224 RE13447
longitudinal visceral mesoderm primordium;	FBgn0033992 CG11798 CG11798 LD23883 FBgn0010453 Wnt4 CG4698 RE26454
external foregut primordium;	FBgn0031745 CG8965 CG8965 GH01721 FBgn0015903 apt CG5393 LD45581 FBgn0000577 en CG9015 LD16125 FBgn0003346 Sd CG9999 LD16356 FBgn0000492 Dr CG1897 LD04235 FBgn0010453 Wnt4 CG4698 RE26454 FBgn0000577 en CG9015 LD16125
	FBgn0040271 Sulf1 CG6725 SD04414 FBgn0040230 dbo CG6224 RE13447 FBgn0002561 l(1)sc CG3839 RE59335 FBgn0033992 CG11798 CG11798 LD23883 FBgn0010453 Wnt4 CG4698 RE26454
procephalic neuroblasts;	FBgn0002932 neur CG11988 LD45505 FBgn0033992 CG11798 CG11798 LD23883 FBgn0000611 exd CG8933 LD03509 FBgn0000411 D CG5893 AT02631 FBgn0038118 NULL CG7855 RE03551 FBgn0052982 CG32982 CG32982 RE11317 FBgn0029512 Aos1 CG12276 LD33652 FBgn0017453 Zn72D CG5215 GH12756 FBgn0015270 Orc2 CG3041 GH13824
embryonic small intestine;	FBgn0010453 Wnt4 CG4698 RE26454
head epidermis primordium;	FBgn0015903 apt CG5393 LD45581 FBgn0003346 Sd CG9999 LD16356
embryonic inner optic lobe primordium;	FBgn0010453 Wnt4 CG4698 RE26454
salivary gland body primordium;	

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Anatomical Structures	Genes
embryonic brain;	FBgn0000492 Dr CG1897 LD04235
	FBgn0036494 Toll-6 CG7250 LD08841
	FBgn0037707 RnpS1 CG16788 LD23870
	FBgn0040271 Sulf1 CG6725 SD04414
	FBgn0040230 dbo CG6224 RE13447
	FBgn0003300 run CG1849 GH02614
	FBgn0015903 apt CG5393 LD45581
	FBgn0033992 CG11798 CG11798 LD23883
	FBgn0000611 exd CG8933 LD03509
	FBgn0000577 en CG9015 LD16125
	FBgn0038118 NULL CG7855 RE03551
	FBgn0010453 Wnt4 CG4698 RE26454
	FBgn0029512 Aos1 CG12276 LD33652
	FBgn0017453 Zn72D CG5215 GH12756
	FBgn0000577 en CG9015 LD16125
	trunk mesoderm anlage;
FBgn0031745 CG8965 CG8965 GH01721	
FBgn0000071 Ama CG2198 LD39923	
FBgn0002932 neur CG11988 LD45505	
FBgn0032130 CG3838 CG3838 LD21447	
FBgn0033992 CG11798 CG11798 LD23883	
FBgn0000611 exd CG8933 LD03509	
FBgn0000577 en CG9015 LD16125	
FBgn0003346 Sd CG9999 LD16356	
FBgn0000492 Dr CG1897 LD04235	
FBgn0015773 NetA CG18657 RE11206	
FBgn0052982 CG32982 CG32982 RE11317	
FBgn0000577 en CG9015 LD16125	
sensory nervous system primordium;	FBgn0002932 neur CG11988 LD45505
	FBgn0010109 dpn CG8704 RE34993
	FBgn0003300 run CG1849 GH02614
	FBgn0000411 D CG5893 AT02631
	FBgn0017453 Zn72D CG5215 GH12756
anterior endoderm anlage;	FBgn0037707 RnpS1 CG16788 LD23870
	FBgn0002932 neur CG11988 LD45505
	FBgn0032130 CG3838 CG3838 LD21447
	FBgn0015903 apt CG5393 LD45581
	FBgn0000611 exd CG8933 LD03509
	FBgn0003346 Sd CG9999 LD16356
	FBgn0038434 CG14897 CG14897 RE60459
embryonic hindgut;	FBgn0031745 CG8965 CG8965 GH01721

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Anatomical Structures	Genes
embryonic Malpighian tubule;	FBgn0040230 dbo CG6224 RE13447 FBgn0000411 D CG5893 AT02631 FBgn0010453 Wnt4 CG4698 RE26454 FBgn0017453 Zn72D CG5215 GH12756
	FBgn0038118 NULL CG7855 RE03551 FBgn0012066 DNapol-delta CG5949 RE60511
ventral nerve cord;	FBgn0033802 CG17724 CG17724 LD12453 FBgn0037707 RnpS1 CG16788 LD23870 FBgn0002932 neur CG11988 LD45505 FBgn0040271 Sulf1 CG6725 SD04414 FBgn0040230 dbo CG6224 RE13447 FBgn0010109 dpn CG8704 RE34993 FBgn0003300 run CG1849 GH02614 FBgn0015903 apt CG5393 LD45581 FBgn0033992 CG11798 CG11798 LD23883 FBgn0000611 exd CG8933 LD03509 FBgn0000577 en CG9015 LD16125 FBgn0003346 Sd CG9999 LD16356 FBgn0000492 Dr CG1897 LD04235 FBgn0000411 D CG5893 AT02631 FBgn0052982 CG32982 CG32982 RE11317 FBgn0031878 CG9188 CG9188 RE16905 FBgn0010453 Wnt4 CG4698 RE26454 FBgn0030507 CG11164 CG11164 RE50056 FBgn0038434 CG14897 CG14897 RE60459 FBgn0012066 DNapol-delta CG5949 RE60511 FBgn0032906 CG9273 CG9273 RH07841 FBgn0029512 Aos1 CG12276 LD33652 FBgn0017453 Zn72D CG5215 GH12756 FBgn0015270 Orc2 CG3041 GH13824 FBgn0000577 en CG9015 LD16125
	atrium;
ventral nerve cord primordium;	FBgn0036494 Toll-6 CG7250 LD08841 FBgn0033802 CG17724 CG17724 LD12453 FBgn0037707 RnpS1 CG16788 LD23870 FBgn0031745 CG8965 CG8965 GH01721 FBgn0000071 Ama CG2198 LD39923 FBgn0002932 neur CG11988 LD45505 FBgn0040271 Sulf1 CG6725 SD04414

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<i>Table 16 continued from previous page.</i>	
Anatomical Structures	Genes
	FBgn0040230 dbo CG6224 RE13447 FBgn0002561 l(1)sc CG3839 RE59335 FBgn0010109 dpn CG8704 RE34993 FBgn0003300 run CG1849 GH02614 FBgn0032130 CG3838 CG3838 LD21447 FBgn0015903 apt CG5393 LD45581 FBgn0033992 CG11798 CG11798 LD23883 FBgn0000611 exd CG8933 LD03509 FBgn0000577 en CG9015 LD16125 FBgn0003346 Sd CG9999 LD16356 FBgn0000492 Dr CG1897 LD04235 FBgn0000411 D CG5893 AT02631 FBgn0038118 NULL CG7855 RE03551 FBgn0015773 NetA CG18657 RE11206 FBgn0052982 CG32982 CG32982 RE11317 FBgn0015271 Orc5 CG7833 RE16687 FBgn0031878 CG9188 CG9188 RE16905 FBgn0010453 Wnt4 CG4698 RE26454 FBgn0030507 CG11164 CG11164 RE50056 FBgn0038434 CG14897 CG14897 RE60459 FBgn0012066 DNapol-delta CG5949 RE60511 FBgn0032906 CG9273 CG9273 RH07841 FBgn0010105 comm CG17943 RH64772 FBgn0029512 Aos1 CG12276 LD33652 FBgn0017453 Zn72D CG5215 GH12756 FBgn0015270 Orc2 CG3041 GH13824 FBgn0000577 en CG9015 LD16125
visual primordium;	FBgn0002932 neur CG11988 LD45505 FBgn0002561 l(1)sc CG3839 RE59335 FBgn0015903 apt CG5393 LD45581 FBgn0033992 CG11798 CG11798 LD23883 FBgn0000611 exd CG8933 LD03509 FBgn0003346 Sd CG9999 LD16356 FBgn0015271 Orc5 CG7833 RE16687 FBgn0010453 Wnt4 CG4698 RE26454 FBgn0012066 DNapol-delta CG5949 RE60511
lateral cord;	FBgn0036494 Toll-6 CG7250 LD08841 FBgn0033802 CG17724 CG17724 LD12453 FBgn0037707 RnpS1 CG16788 LD23870 FBgn0031745 CG8965 CG8965 GH01721 FBgn0000071 Ama CG2198 LD39923 FBgn0002932 neur CG11988 LD45505 FBgn0040271 Sulfl CG6725 SD04414 FBgn0040230 dbo CG6224 RE13447

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<i>Table 16 continued from previous page.</i>	
Anatomical Structures	Genes
	FBgn0002561 l(1)sc CG3839 RE59335 FBgn0010109 dpn CG8704 RE34993 FBgn0003300 run CG1849 GH02614 FBgn0032130 CG3838 CG3838 LD21447 FBgn0015903 apt CG5393 LD45581 FBgn0033992 CG11798 CG11798 LD23883 FBgn0000611 exd CG8933 LD03509 FBgn0000577 en CG9015 LD16125 FBgn0003346 Sd CG9999 LD16356 FBgn0000492 Dr CG1897 LD04235 FBgn0000411 D CG5893 AT02631 FBgn0038118 NULL CG7855 RE03551 FBgn0015773 NetA CG18657 RE11206 FBgn0052982 CG32982 CG32982 RE11317 FBgn0015271 Orc5 CG7833 RE16687 FBgn0031878 CG9188 CG9188 RE16905 FBgn0010453 Wnt4 CG4698 RE26454 FBgn0030507 CG11164 CG11164 RE50056 FBgn0038434 CG14897 CG14897 RE60459 FBgn0012066 DNAPol-delta CG5949 RE60511 FBgn0032906 CG9273 CG9273 RH07841 FBgn0010105 comm CG17943 RH64772 FBgn0029512 Aos1 CG12276 LD33652 FBgn0017453 Zn72D CG5215 GH12756 FBgn0015270 Orc2 CG3041 GH13824 FBgn0000577 en CG9015 LD16125
foregut primordium;	
embryonic leading edge cell specific anlage;	FBgn0031745 CG8965 CG8965 GH01721 FBgn0010453 Wnt4 CG4698 RE26454
posterior endoderm anlage;	FBgn0010453 Wnt4 CG4698 RE26454
	FBgn0037707 RnpS1 CG16788 LD23870 FBgn0002932 neur CG11988 LD45505 FBgn0002561 l(1)sc CG3839 RE59335 FBgn0032130 CG3838 CG3838 LD21447 FBgn0015903 apt CG5393 LD45581 FBgn0000611 exd CG8933 LD03509 FBgn0003346 Sd CG9999 LD16356 FBgn0052982 CG32982 CG32982 RE11317 FBgn0038434 CG14897 CG14897 RE60459
embryonic ventral epidermis;	FBgn0031745 CG8965 CG8965 GH01721 FBgn0040230 dbo CG6224 RE13447 FBgn0000411 D CG5893 AT02631 FBgn0015773 NetA CG18657 RE11206

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<i>Table 16 continued from previous page.</i>	
Anatomical Structures	Genes
lateral cord neuron;	FBgn0052982 CG32982 CG32982 RE11317
	FBgn0010105 comm CG17943 RH64772
	FBgn0036494 Toll-6 CG7250 LD08841
	FBgn0002932 neur CG11988 LD45505
	FBgn0040271 Sulf1 CG6725 SD04414
	FBgn0040230 dbo CG6224 RE13447
	FBgn0033992 CG11798 CG11798 LD23883
	FBgn0000611 exd CG8933 LD03509
	FBgn0000577 en CG9015 LD16125
	FBgn0000492 Dr CG1897 LD04235
	FBgn0000411 D CG5893 AT02631
	FBgn0038118 NULL CG7855 RE03551
	FBgn0015773 NetA CG18657 RE11206
	FBgn0052982 CG32982 CG32982 RE11317
	FBgn0010453 Wnt4 CG4698 RE26454
	FBgn0038434 CG14897 CG14897 RE60459
	FBgn0032906 CG9273 CG9273 RH07841
FBgn0010105 comm CG17943 RH64772	
FBgn0029512 Aos1 CG12276 LD33652	
FBgn0017453 Zn72D CG5215 GH12756	
FBgn0015270 Orc2 CG3041 GH13824	
FBgn0000577 en CG9015 LD16125	
mesectoderm anlage;	FBgn0037707 RnpS1 CG16788 LD23870
	FBgn0031745 CG8965 CG8965 GH01721
	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;	FBgn0037707 RnpS1 CG16788 LD23870
	FBgn0031745 CG8965 CG8965 GH01721
	FBgn0033992 CG11798 CG11798 LD23883
	FBgn0015773 NetA CG18657 RE11206
amnioserosa;	FBgn0000071 Ama CG2198 LD39923
embryonic optic lobe;	FBgn0033992 CG11798 CG11798 LD23883
trunk mesoderm primordium;	FBgn0010453 Wnt4 CG4698 RE26454
	FBgn0037707 RnpS1 CG16788 LD23870
	FBgn0031745 CG8965 CG8965 GH01721
	FBgn0000071 Ama CG2198 LD39923

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<i>Table 16 continued from previous page.</i>	
Anatomical Structures	Genes
protocerebrum primordium;	FBgn0002561 l(1)sc CG3839 RE59335
	FBgn0033992 CG11798 CG11798 LD23883
	FBgn0000611 exd CG8933 LD03509
	FBgn0000577 en CG9015 LD16125
	FBgn0003346 Sd CG9999 LD16356
	FBgn0000492 Dr CG1897 LD04235
	FBgn0015773 NetA CG18657 RE11206
	FBgn0000577 en CG9015 LD16125
	FBgn0036494 Toll-6 CG7250 LD08841
	FBgn0033802 CG17724 CG17724 LD12453
	FBgn0037707 RnpS1 CG16788 LD23870
	FBgn0002932 neur CG11988 LD45505
	FBgn0040271 Sulf1 CG6725 SD04414
	FBgn0040230 dbo CG6224 RE13447
	FBgn0002561 l(1)sc CG3839 RE59335
	FBgn0003300 run CG1849 GH02614
	FBgn0032130 CG3838 CG3838 LD21447
	FBgn0015903 apt CG5393 LD45581
	FBgn0033992 CG11798 CG11798 LD23883
	FBgn0000611 exd CG8933 LD03509
	FBgn0000577 en CG9015 LD16125
	FBgn0003346 Sd CG9999 LD16356
	FBgn0038118 NULL CG7855 RE03551
	FBgn0015773 NetA CG18657 RE11206
	FBgn0015271 Orc5 CG7833 RE16687
FBgn0031878 CG9188 CG9188 RE16905	
FBgn0010453 Wnt4 CG4698 RE26454	
FBgn0030507 CG11164 CG11164 RE50056	
FBgn0038434 CG14897 CG14897 RE60459	
FBgn0012066 DNAPol-delta CG5949 RE60511	
FBgn0032906 CG9273 CG9273 RH07841	
FBgn0029512 Aos1 CG12276 LD33652	
FBgn0017453 Zn72D CG5215 GH12756	
FBgn0015270 Orc2 CG3041 GH13824	
FBgn0000577 en CG9015 LD16125	
embryonic/larval pericardial cell;	FBgn0015903 apt CG5393 LD45581
embryonic dorsal pouch primordium;	FBgn0015903 apt CG5393 LD45581
embryonic/larval tracheal system;	FBgn0031745 CG8965 CG8965 GH01721
ventral epidermis primordium;	FBgn0000071 Ama CG2198 LD39923
	FBgn0036494 Toll-6 CG7250 LD08841
	FBgn0000071 Ama CG2198 LD39923

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Anatomical Structures	Genes
neuroblasts of ventral nervous system;	FBgn0040230 dbo CG6224 RE13447
	FBgn0003300 run CG1849 GH02614
	FBgn0015903 apt CG5393 LD45581
	FBgn0033992 CG11798 CG11798 LD23883
	FBgn0000611 exd CG8933 LD03509
	FBgn0000577 en CG9015 LD16125
	FBgn0000492 Dr CG1897 LD04235
	FBgn0052982 CG32982 CG32982 RE11317
	FBgn0010453 Wnt4 CG4698 RE26454
	FBgn0000577 en CG9015 LD16125
	FBgn0036494 Toll-6 CG7250 LD08841
	FBgn0002932 neur CG11988 LD45505
	FBgn0040271 Sulf1 CG6725 SD04414
	FBgn0040230 dbo CG6224 RE13447
	FBgn0002561 l(1)sc CG3839 RE59335
FBgn0010109 dpn CG8704 RE34993	
FBgn0003300 run CG1849 GH02614	
FBgn0032130 CG3838 CG3838 LD21447	
FBgn0033992 CG11798 CG11798 LD23883	
FBgn0003346 Sd CG9999 LD16356	
FBgn0000411 D CG5893 AT02631	
FBgn0038118 NULL CG7855 RE03551	
FBgn0030507 CG11164 CG11164 RE50056	
embryonic dorsal epidermis;	FBgn0033802 CG17724 CG17724 LD12453
	FBgn0000577 en CG9015 LD16125
	FBgn0000411 D CG5893 AT02631
	FBgn0015773 NetA CG18657 RE11206
	FBgn0052982 CG32982 CG32982 RE11317
FBgn0000577 en CG9015 LD16125	
embryonic hypocerebral ganglion;	FBgn0031745 CG8965 CG8965 GH01721
gnathal primordium;	FBgn0000071 Ama CG2198 LD39923
	FBgn0015903 apt CG5393 LD45581
	FBgn0000577 en CG9015 LD16125
	FBgn0000492 Dr CG1897 LD04235
	FBgn0010453 Wnt4 CG4698 RE26454
	FBgn0000577 en CG9015 LD16125
hindgut anlage;	FBgn0037707 RnpS1 CG16788 LD23870
	FBgn0031745 CG8965 CG8965 GH01721
	FBgn0040230 dbo CG6224 RE13447
	FBgn0010109 dpn CG8704 RE34993
	FBgn0003300 run CG1849 GH02614

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<i>Table 16 continued from previous page.</i>	
Anatomical Structures	Genes
clypeo-labral primordium;	FBgn0015903 apt CG5393 LD45581
	FBgn0000611 exd CG8933 LD03509
	FBgn0000577 en CG9015 LD16125
	FBgn0003346 Sd CG9999 LD16356
	FBgn0000411 D CG5893 AT02631
	FBgn0000577 en CG9015 LD16125
anterior midgut primordium;	FBgn0040230 dbo CG6224 RE13447
	FBgn0015903 apt CG5393 LD45581
	FBgn0000577 en CG9015 LD16125
	FBgn0010453 Wnt4 CG4698 RE26454
	FBgn0000577 en CG9015 LD16125
head mesoderm P2 primordium;	FBgn0037707 RnpS1 CG16788 LD23870
	FBgn0000071 Ama CG2198 LD39923
	FBgn0017453 Zn72D CG5215 GH12756
cardiac mesoderm primordium;	FBgn0000071 Ama CG2198 LD39923
	FBgn0033992 CG11798 CG11798 LD23883
	FBgn0000611 exd CG8933 LD03509
	FBgn0003346 Sd CG9999 LD16356
	FBgn0015773 NetA CG18657 RE11206
	FBgn0052982 CG32982 CG32982 RE11317
embryonic ganglion mother cell;	FBgn0033992 CG11798 CG11798 LD23883
lamellocyte specific anlage;	FBgn0002932 neur CG11988 LD45505
	FBgn0010453 Wnt4 CG4698 RE26454
	FBgn0030507 CG11164 CG11164 RE50056
embryonic large intestine;	FBgn0052982 CG32982 CG32982 RE11317
	FBgn0040230 dbo CG6224 RE13447
	FBgn0000577 en CG9015 LD16125
	FBgn0010453 Wnt4 CG4698 RE26454
	FBgn0000577 en CG9015 LD16125