

Table 17: **Diversity of anatomical annotations of genes comprising functional unit *aep2egut*: embryonic midgut && anterior midgut primordium && anterior endoderm primordium**

Anatomical Structures	Genes
embryonic/larval oenocyte;	FBgn0040297 NHE2 CG9256 RE21674
germ cell;	FBgn0037811 CG12592 CG12592 AT09724
embryonic esophagus;	FBgn0039537 CG5590 CG5590 GH01709 FBgn0000659 fkh CG10002 RE03865
fat body/gonad primordium;	FBgn0037810 CG12819 CG12819 GM08848 FBgn0037607 CG8036 CG8036 HL01241 FBgn0014868 Ost48 CG9022 LD21941 FBgn0000257 car CG12230 LD22396 FBgn0011638 La CG10922 RE69138 FBgn0037811 CG12592 CG12592 AT09724 FBgn0034356 CG10924 CG10924 RE12569 FBgn0040297 NHE2 CG9256 RE21674
dorsal prothoracic pharyngeal muscle;	FBgn0038585 CG7993 CG7993 GH01229 FBgn0025140 pit CG6375 LD46167 FBgn0033562 CG6751 CG6751 RE59607 FBgn0032168 CG13126 CG13126 RE01590 FBgn0040260 Ugt36Bc CG17932 RE03785 FBgn0052920 CG32920 CG32920 RE19605 FBgn0033562 CG6751 CG6751 RE21021 FBgn0040297 NHE2 CG9256 RE21674 FBgn0032919 CG9253 CG9253 RE27528 FBgn0036774 mRpS26 CG7354 RE31184
embryonic epipharynx;	FBgn0039537 CG5590 CG5590 GH01709 FBgn0020647 KrT95D CG5405 AT03104
dorsal pharyngeal muscle primordium;	FBgn0010292 bys CG1430 LD14510 FBgn0025140 pit CG6375 LD46167 FBgn0033562 CG6751 CG6751 RE59607 FBgn0011638 La CG10922 RE69138 FBgn0032168 CG13126 CG13126 RE01590 FBgn0052920 CG32920 CG32920 RE19605 FBgn0033562 CG6751 CG6751 RE21021 FBgn0040297 NHE2 CG9256 RE21674 FBgn0040080 raps CG5692 RE22964 FBgn0032919 CG9253 CG9253 RE27528
ventral midline;	FBgn0020647 KrT95D CG5405 AT03104

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<i>Table 17 continued from previous page.</i>	
Anatomical Structures	Genes
gonad;	FBgn0000659 fkh CG10002 RE03865
	FBgn0033562 CG6751 CG6751 RE59607
	FBgn0011638 La CG10922 RE69138
	FBgn0037811 CG12592 CG12592 AT09724
	FBgn0033562 CG6751 CG6751 RE21021
	FBgn0040080 raps CG5692 RE22964
	FBgn0032919 CG9253 CG9253 RE27528
	FBgn0038636 CG7698 CG7698 RE31408
embryonic maxillary sensory complex;	FBgn0020647 KrT95D CG5405 AT03104
small intestine specific anlage;	FBgn0030406 CG1463 CG1463 GM05421
	FBgn0000659 fkh CG10002 RE03865
embryonic midgut;	FBgn0053099 CG33099 CG33099 LD12611
	FBgn0037810 CG12819 CG12819 GM08848
	FBgn0010292 bys CG1430 LD14510
	FBgn0031845 CG9232 CG9232 HL01018
	FBgn0037607 CG8036 CG8036 HL01241
	FBgn0012037 Ance CG8827 LD11258
	FBgn0030406 CG1463 CG1463 GM05421
	FBgn0010926 l(3)07882 CG5824 LD15947
	FBgn0038391 GATAe CG10278 LD08432
	FBgn0025366 Ip259 CG5277 GM13959
	FBgn0033637 CG9006 CG9006 GM14222
	FBgn0037707 RnpS1 CG16788 LD23870
	FBgn0029629 CG8636 CG8636 LD24347
	FBgn0038585 CG7993 CG7993 GH01229
	FBgn0039537 CG5590 CG5590 GH01709
	FBgn0025140 pit CG6375 LD46167
	FBgn0027621 Pfrx CG3400 GH17337
	FBgn0014868 Ost48 CG9022 LD21941
	FBgn0000257 car CG12230 LD22396
	FBgn0024364 EG:8D8.4 CG11417 LD23562
	FBgn0037926 CG10535 CG10535 GM13228
	FBgn0033562 CG6751 CG6751 RE59607
	FBgn0011638 La CG10922 RE69138
	FBgn0031229 CG3436 CG3436 GM13767
	FBgn0032512 CG9305 CG9305 GH09630
	FBgn0000054 Adf1 CG15845 LD09689
	FBgn0038391 GATAe CG10278 LD08432
	FBgn0020647 KrT95D CG5405 AT03104
	FBgn0037811 CG12592 CG12592 AT09724
	FBgn0032168 CG13126 CG13126 RE01590
	FBgn0040260 Ugt36Bc CG17932 RE03785
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Anatomical Structures	Genes
	FBgn0000659 fkh CG10002 RE03865
	FBgn0051810 CG31810 CG31810 RE06583
	FBgn0025631 EG:22E5.11 CG4322 RE06985
	FBgn0035654 CG13290 CG13290 RE08107
	FBgn0034356 CG10924 CG10924 RE12569
	FBgn0037816 CG6345 CG6345 RE15838
	FBgn0052920 CG32920 CG32920 RE19605
	FBgn0033562 CG6751 CG6751 RE21021
	FBgn0040297 NHE2 CG9256 RE21674
	FBgn0040080 raps CG5692 RE22964
	FBgn0032919 CG9253 CG9253 RE27528
	FBgn0036774 mRpS26 CG7354 RE31184
	FBgn0038636 CG7698 CG7698 RE31408
	FBgn0041156 exex CG8254 RE39081
	FBgn0051431 CG31431 CG31431 RE47547
	FBgn0032194 CG4901 CG4901 RE48269
	FBgn0032444 CG5525 CG5525 RE61939
	FBgn0032195 CG4908 CG4908 RH68195
	FBgn0036298 CG10627 CG10627 LD02044
	FBgn0010926 l(3)07882 CG5824 LD15947
	FBgn0027619 Adam CG12131 GH12681
	FBgn0000054 Adf1 CG15845 LD09689
	FBgn0012037 Ance CG8827 LD11258
procephalic ectoderm primordium;	FBgn0037707 RnpS1 CG16788 LD23870
	FBgn0039537 CG5590 CG5590 GH01709
	FBgn0011638 La CG10922 RE69138
	FBgn0037811 CG12592 CG12592 AT09724
	FBgn0000659 fkh CG10002 RE03865
	FBgn0040297 NHE2 CG9256 RE21674
	FBgn0032919 CG9253 CG9253 RE27528
	FBgn0038636 CG7698 CG7698 RE31408
embryonic proventriculus;	FBgn0012037 Ance CG8827 LD11258
	FBgn0033637 CG9006 CG9006 GM14222
	FBgn0039537 CG5590 CG5590 GH01709
	FBgn0025140 pit CG6375 LD46167
	FBgn0014868 Ost48 CG9022 LD21941
	FBgn0000659 fkh CG10002 RE03865
	FBgn0036298 CG10627 CG10627 LD02044
	FBgn0027619 Adam CG12131 GH12681
	FBgn0012037 Ance CG8827 LD11258
dorsal ectoderm primordium;	FBgn0027621 Pfrx CG3400 GH17337
dorsal epidermis primordium;	FBgn0037811 CG12592 CG12592 AT09724

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Anatomical Structures	Genes
Malpighian tubule primordium;	FBgn0037811 CG12592 CG12592 AT09724
	FBgn0030406 CG1463 CG1463 GM05421
	FBgn0038391 GATAe CG10278 LD08432
	FBgn0000659 fkh CG10002 RE03865
	FBgn0037816 CG6345 CG6345 RE15838
	FBgn0027619 Adam CG12131 GH12681
embryonic stomatogastric nervous system;	FBgn0000659 fkh CG10002 RE03865
embryonic/larval somatic muscle;	FBgn0025366 Ip259 CG5277 GM13959
	FBgn0037707 RnpS1 CG16788 LD23870
	FBgn0029629 CG8636 CG8636 LD24347
	FBgn0038585 CG7993 CG7993 GH01229
	FBgn0039537 CG5590 CG5590 GH01709
	FBgn0025140 pit CG6375 LD46167
	FBgn0024364 EG:8D8.4 CG11417 LD23562
	FBgn0032168 CG13126 CG13126 RE01590
	FBgn0033562 CG6751 CG6751 RE21021
	FBgn0040297 NHE2 CG9256 RE21674
	FBgn0032919 CG9253 CG9253 RE27528
	FBgn0032444 CG5525 CG5525 RE61939
macrophage;	FBgn0040297 NHE2 CG9256 RE21674
	FBgn0051431 CG31431 CG31431 RE47547
labral sensory complex primordium;	FBgn0035654 CG13290 CG13290 RE08107
embryonic central brain mushroom body;	FBgn0011638 La CG10922 RE69138
	FBgn0037811 CG12592 CG12592 AT09724
embryonic salivary gland;	FBgn0014868 Ost48 CG9022 LD21941
	FBgn0000659 fkh CG10002 RE03865
	FBgn0051810 CG31810 CG31810 RE06583
ring gland;	FBgn0011638 La CG10922 RE69138
	FBgn0033562 CG6751 CG6751 RE21021
mesectoderm primordium;	FBgn0027621 Pfrx CG3400 GH17337
embryonic gastric caecum;	FBgn0011638 La CG10922 RE69138
	FBgn0032168 CG13126 CG13126 RE01590
	FBgn0033562 CG6751 CG6751 RE21021
embryonic hypopharynx;	FBgn0039537 CG5590 CG5590 GH01709
	FBgn0033562 CG6751 CG6751 RE21021

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Anatomical Structures	Genes
anal pad specific anlage;	FBgn0010926 l(3)07882 CG5824 LD15947
embryonic/larval dorsal vessel;	FBgn0040297 NHE2 CG9256 RE21674
embryonic central brain;	FBgn0011638 La CG10922 RE69138 FBgn0031229 CG3436 CG3436 GM13767 FBgn0000659 fkh CG10002 RE03865
salivary gland body specific anlage;	FBgn0000659 fkh CG10002 RE03865
embryonic central brain neuron;	FBgn0037811 CG12592 CG12592 AT09724
ventral ectoderm primordium;	FBgn0027621 Pfrx CG3400 GH17337 FBgn0011638 La CG10922 RE69138 FBgn0037811 CG12592 CG12592 AT09724 FBgn0038636 CG7698 CG7698 RE31408
adult hindgut precursor;	FBgn0036298 CG10627 CG10627 LD02044
gonadal sheath;	FBgn0037810 CG12819 CG12819 GM08848
Malpighian tubule main body primordium;	FBgn0030406 CG1463 CG1463 GM05421 FBgn0000659 fkh CG10002 RE03865 FBgn0035654 CG13290 CG13290 RE08107
somatic muscle primordium;	FBgn0010292 bys CG1430 LD14510 FBgn0010926 l(3)07882 CG5824 LD15947 FBgn0037707 RnpS1 CG16788 LD23870 FBgn0038585 CG7993 CG7993 GH01229 FBgn0039537 CG5590 CG5590 GH01709 FBgn0032168 CG13126 CG13126 RE01590 FBgn0052920 CG32920 CG32920 RE19605 FBgn0033562 CG6751 CG6751 RE21021 FBgn0040297 NHE2 CG9256 RE21674 FBgn0040080 raps CG5692 RE22964 FBgn0032919 CG9253 CG9253 RE27528 FBgn0036298 CG10627 CG10627 LD02044 FBgn0010926 l(3)07882 CG5824 LD15947 FBgn0027619 Adam CG12131 GH12681
inclusive hindgut primordium;	FBgn0030406 CG1463 CG1463 GM05421 FBgn0025366 Ip259 CG5277 GM13959 FBgn0037707 RnpS1 CG16788 LD23870 FBgn0029629 CG8636 CG8636 LD24347 FBgn0038585 CG7993 CG7993 GH01229

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<i>Table 17 continued from previous page.</i>	
Anatomical Structures	Genes
	FBgn0014868 Ost48 CG9022 LD21941 FBgn0011638 La CG10922 RE69138 FBgn0038391 GATAe CG10278 LD08432 FBgn0037811 CG12592 CG12592 AT09724 FBgn0000659 fkh CG10002 RE03865 FBgn0035654 CG13290 CG13290 RE08107 FBgn0037816 CG6345 CG6345 RE15838 FBgn0052920 CG32920 CG32920 RE19605 FBgn0033562 CG6751 CG6751 RE21021 FBgn0038636 CG7698 CG7698 RE31408 FBgn0032444 CG5525 CG5525 RE61939 FBgn0036298 CG10627 CG10627 LD02044 FBgn0027619 Adam CG12131 GH12681
circular visceral muscle fibers;	
lateral cord surface glia;	FBgn0020647 KrT95D CG5405 AT03104
stomatogastric nervous system primordium;	FBgn0025631 EG:22E5.11 CG4322 RE06985
embryonic/larval muscle system;	FBgn0000659 fkh CG10002 RE03865
	FBgn0010926 l(3)07882 CG5824 LD15947 FBgn0025366 Ip259 CG5277 GM13959 FBgn0037707 RnpS1 CG16788 LD23870 FBgn0029629 CG8636 CG8636 LD24347 FBgn0038585 CG7993 CG7993 GH01229 FBgn0039537 CG5590 CG5590 GH01709 FBgn0025140 pit CG6375 LD46167 FBgn0024364 EG:8D8.4 CG11417 LD23562 FBgn0037926 CG10535 CG10535 GM13228 FBgn0011638 La CG10922 RE69138 FBgn0032168 CG13126 CG13126 RE01590 FBgn0052920 CG32920 CG32920 RE19605 FBgn0033562 CG6751 CG6751 RE21021 FBgn0040297 NHE2 CG9256 RE21674 FBgn0040080 raps CG5692 RE22964 FBgn0032919 CG9253 CG9253 RE27528 FBgn0036774 mRpS26 CG7354 RE31184 FBgn0032444 CG5525 CG5525 RE61939 FBgn0036298 CG10627 CG10627 LD02044 FBgn0010926 l(3)07882 CG5824 LD15947 FBgn0027619 Adam CG12131 GH12681
anterior endoderm primordium;	FBgn0053099 CG33099 CG33099 LD12611 FBgn0037810 CG12819 CG12819 GM08848 FBgn0010292 bys CG1430 LD14510 FBgn0031845 CG9232 CG9232 HL01018

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Table 17 continued from previous page.

Anatomical Structures	Genes
	FBgn0037607 CG8036 CG8036 HL01241
	FBgn0012037 Ance CG8827 LD11258
	FBgn0030406 CG1463 CG1463 GM05421
	FBgn0010926 l(3)07882 CG5824 LD15947
	FBgn0038391 GATAe CG10278 LD08432
	FBgn0025366 Ip259 CG5277 GM13959
	FBgn0033637 CG9006 CG9006 GM14222
	FBgn0037707 RnpS1 CG16788 LD23870
	FBgn0029629 CG8636 CG8636 LD24347
	FBgn0038585 CG7993 CG7993 GH01229
	FBgn0039537 CG5590 CG5590 GH01709
	FBgn0025140 pit CG6375 LD46167
	FBgn0027621 Pfrx CG3400 GH17337
	FBgn0014868 Ost48 CG9022 LD21941
	FBgn0000257 car CG12230 LD22396
	FBgn0024364 EG:8D8.4 CG11417 LD23562
	FBgn0037926 CG10535 CG10535 GM13228
	FBgn0033562 CG6751 CG6751 RE59607
	FBgn0011638 La CG10922 RE69138
	FBgn0031229 CG3436 CG3436 GM13767
	FBgn0032512 CG9305 CG9305 GH09630
	FBgn0000054 Adf1 CG15845 LD09689
	FBgn0038391 GATAe CG10278 LD08432
	FBgn0020647 KrT95D CG5405 AT03104
	FBgn0037811 CG12592 CG12592 AT09724
	FBgn0032168 CG13126 CG13126 RE01590
	FBgn0040260 Ugt36Bc CG17932 RE03785
	FBgn0000659 fkh CG10002 RE03865
	FBgn0051810 CG31810 CG31810 RE06583
	FBgn0025631 EG:22E5.11 CG4322 RE06985
	FBgn0035654 CG13290 CG13290 RE08107
	FBgn0034356 CG10924 CG10924 RE12569
	FBgn0037816 CG6345 CG6345 RE15838
	FBgn0052920 CG32920 CG32920 RE19605
	FBgn0033562 CG6751 CG6751 RE21021
	FBgn0040297 NHE2 CG9256 RE21674
	FBgn0040080 raps CG5692 RE22964
	FBgn0032919 CG9253 CG9253 RE27528
	FBgn0036774 mRpS26 CG7354 RE31184
	FBgn0038636 CG7698 CG7698 RE31408
	FBgn0041156 exex CG8254 RE39081
	FBgn0051431 CG31431 CG31431 RE47547
	FBgn0032194 CG4901 CG4901 RE48269
	FBgn0032444 CG5525 CG5525 RE61939
	FBgn0032195 CG4908 CG4908 RH68195
	FBgn0036298 CG10627 CG10627 LD02044

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Anatomical Structures	Genes
embryonic rectum;	FBgn0010926 l(3)07882 CG5824 LD15947
	FBgn0027619 Adam CG12131 GH12681
	FBgn0000054 Adf1 CG15845 LD09689
	FBgn0012037 Ance CG8827 LD11258
posterior midgut primordium;	FBgn0000659 fkh CG10002 RE03865
	FBgn0037810 CG12819 CG12819 GM08848
	FBgn0010292 bys CG1430 LD14510
	FBgn0031845 CG9232 CG9232 HL01018
	FBgn0037607 CG8036 CG8036 HL01241
	FBgn0012037 Ance CG8827 LD11258
	FBgn0030406 CG1463 CG1463 GM05421
	FBgn0010926 l(3)07882 CG5824 LD15947
	FBgn0038391 GATAe CG10278 LD08432
	FBgn0025366 Ip259 CG5277 GM13959
	FBgn0033637 CG9006 CG9006 GM14222
	FBgn0037707 RnpS1 CG16788 LD23870
	FBgn0029629 CG8636 CG8636 LD24347
	FBgn0038585 CG7993 CG7993 GH01229
	FBgn0039537 CG5590 CG5590 GH01709
	FBgn0025140 pit CG6375 LD46167
	FBgn0027621 Pfrx CG3400 GH17337
	FBgn0014868 Ost48 CG9022 LD21941
	FBgn0000257 car CG12230 LD22396
	FBgn0024364 EG:8D8.4 CG11417 LD23562
	FBgn0037926 CG10535 CG10535 GM13228
	FBgn0033562 CG6751 CG6751 RE59607
	FBgn0011638 La CG10922 RE69138
	FBgn0031229 CG3436 CG3436 GM13767
	FBgn0032512 CG9305 CG9305 GH09630
	FBgn0000054 Adf1 CG15845 LD09689
	FBgn0038391 GATAe CG10278 LD08432
	FBgn0020647 KrT95D CG5405 AT03104
	FBgn0037811 CG12592 CG12592 AT09724
	FBgn0032168 CG13126 CG13126 RE01590
	FBgn0040260 Ugt36Bc CG17932 RE03785
	FBgn0000659 fkh CG10002 RE03865
	FBgn0051810 CG31810 CG31810 RE06583
	FBgn0025631 EG:22E5.11 CG4322 RE06985
	FBgn0035654 CG13290 CG13290 RE08107
	FBgn0034356 CG10924 CG10924 RE12569
	FBgn0037816 CG6345 CG6345 RE15838
FBgn0052920 CG32920 CG32920 RE19605	
FBgn0033562 CG6751 CG6751 RE21021	
FBgn0040297 NHE2 CG9256 RE21674	

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<i>Table 17 continued from previous page.</i>	
Anatomical Structures	Genes
posterior endoderm primordium;	FBgn0040080 raps CG5692 RE22964
	FBgn0032919 CG9253 CG9253 RE27528
	FBgn0036774 mRpS26 CG7354 RE31184
	FBgn0038636 CG7698 CG7698 RE31408
	FBgn0041156 exex CG8254 RE39081
	FBgn0032194 CG4901 CG4901 RE48269
	FBgn0032444 CG5525 CG5525 RE61939
	FBgn0032195 CG4908 CG4908 RH68195
	FBgn0036298 CG10627 CG10627 LD02044
	FBgn0010926 l(3)07882 CG5824 LD15947
	FBgn0027619 Adam CG12131 GH12681
	FBgn0000054 Adf1 CG15845 LD09689
	FBgn0012037 Ance CG8827 LD11258
	FBgn0053099 CG33099 CG33099 LD12611
	FBgn0037810 CG12819 CG12819 GM08848
	FBgn0010292 bys CG1430 LD14510
	FBgn0031845 CG9232 CG9232 HL01018
	FBgn0037607 CG8036 CG8036 HL01241
	FBgn0012037 Ance CG8827 LD11258
	FBgn0030406 CG1463 CG1463 GM05421
	FBgn0010926 l(3)07882 CG5824 LD15947
	FBgn0038391 GATAe CG10278 LD08432
	FBgn0025366 Ip259 CG5277 GM13959
	FBgn0033637 CG9006 CG9006 GM14222
	FBgn0037707 RnpS1 CG16788 LD23870
	FBgn0029629 CG8636 CG8636 LD24347
	FBgn0038585 CG7993 CG7993 GH01229
	FBgn0039537 CG5590 CG5590 GH01709
	FBgn0025140 pit CG6375 LD46167
	FBgn0027621 Pfrx CG3400 GH17337
	FBgn0014868 Ost48 CG9022 LD21941
	FBgn0000257 car CG12230 LD22396
	FBgn0024364 EG:8D8.4 CG11417 LD23562
FBgn0037926 CG10535 CG10535 GM13228	
FBgn0033562 CG6751 CG6751 RE59607	
FBgn0011638 La CG10922 RE69138	
FBgn0031229 CG3436 CG3436 GM13767	
FBgn0032512 CG9305 CG9305 GH09630	
FBgn0000054 Adf1 CG15845 LD09689	
FBgn0038391 GATAe CG10278 LD08432	
FBgn0020647 KrT95D CG5405 AT03104	
FBgn0037811 CG12592 CG12592 AT09724	
FBgn0032168 CG13126 CG13126 RE01590	
FBgn0040260 Ugt36Bc CG17932 RE03785	
FBgn0000659 fkh CG10002 RE03865	

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<i>Table 17 continued from previous page.</i>	
Anatomical Structures	Genes
	FBgn0051810 CG31810 CG31810 RE06583 FBgn0025631 EG:22E5.11 CG4322 RE06985 FBgn0035654 CG13290 CG13290 RE08107 FBgn0034356 CG10924 CG10924 RE12569 FBgn0037816 CG6345 CG6345 RE15838 FBgn0052920 CG32920 CG32920 RE19605 FBgn0033562 CG6751 CG6751 RE21021 FBgn0040297 NHE2 CG9256 RE21674 FBgn0040080 raps CG5692 RE22964 FBgn0032919 CG9253 CG9253 RE27528 FBgn0036774 mRpS26 CG7354 RE31184 FBgn0038636 CG7698 CG7698 RE31408 FBgn0041156 exex CG8254 RE39081 FBgn0051431 CG31431 CG31431 RE47547 FBgn0032194 CG4901 CG4901 RE48269 FBgn0032444 CG5525 CG5525 RE61939 FBgn0032195 CG4908 CG4908 RH68195 FBgn0036298 CG10627 CG10627 LD02044 FBgn0010926 l(3)07882 CG5824 LD15947 FBgn0027619 Adam CG12131 GH12681 FBgn0000054 Adf1 CG15845 LD09689 FBgn0012037 Ance CG8827 LD11258
fat body specific anlage;	FBgn0000257 car CG12230 LD22396 FBgn0024364 EG:8D8.4 CG11417 LD23562 FBgn0033562 CG6751 CG6751 RE59607 FBgn0027619 Adam CG12131 GH12681
embryonic central brain glia;	FBgn0037811 CG12592 CG12592 AT09724
prothoracic gland;	FBgn0012037 Ance CG8827 LD11258 FBgn0012037 Ance CG8827 LD11258
midline primordium;	FBgn0000659 fkh CG10002 RE03865
embryonic/larval fat body;	FBgn0037607 CG8036 CG8036 HL01241 FBgn0033637 CG9006 CG9006 GM14222 FBgn0014868 Ost48 CG9022 LD21941 FBgn0000257 car CG12230 LD22396 FBgn0034356 CG10924 CG10924 RE12569 FBgn0040297 NHE2 CG9256 RE21674
hindgut proper primordium;	FBgn0025366 Ip259 CG5277 GM13959 FBgn0033637 CG9006 CG9006 GM14222 FBgn0037707 RnpS1 CG16788 LD23870 FBgn0014868 Ost48 CG9022 LD21941
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Anatomical Structures	Genes	
embryonic/larval visceral muscle;	FBgn0024364 EG:8D8.4 CG11417 LD23562	
	FBgn0011638 La CG10922 RE69138	
	FBgn0037811 CG12592 CG12592 AT09724	
	FBgn0000659 fkh CG10002 RE03865	
	FBgn0052920 CG32920 CG32920 RE19605	
	FBgn0038636 CG7698 CG7698 RE31408	
	FBgn0032444 CG5525 CG5525 RE61939	
	FBgn0010926 l(3)07882 CG5824 LD15947	
	FBgn0025366 Ip259 CG5277 GM13959	
	FBgn0037707 RnpS1 CG16788 LD23870	
embryonic dorsal pouch;	FBgn0029629 CG8636 CG8636 LD24347	
	FBgn0011638 La CG10922 RE69138	
	FBgn0020647 KrT95D CG5405 AT03104	
	FBgn0032168 CG13126 CG13126 RE01590	
	FBgn0032919 CG9253 CG9253 RE27528	
	FBgn0036774 mRpS26 CG7354 RE31184	
	FBgn0012037 Ance CG8827 LD11258	
	FBgn0012037 Ance CG8827 LD11258	
	labral sensory complex;	FBgn0035654 CG13290 CG13290 RE08107
		FBgn0035654 CG13290 CG13290 RE08107
embryonic head epidermis;	FBgn0012037 Ance CG8827 LD11258	
lymph gland;	FBgn0000659 fkh CG10002 RE03865	
	FBgn0012037 Ance CG8827 LD11258	
	FBgn0012037 Ance CG8827 LD11258	
proventriculus primordium;	FBgn0012037 Ance CG8827 LD11258	
	FBgn0037811 CG12592 CG12592 AT09724	
	FBgn0040080 raps CG5692 RE22964	
	FBgn0032919 CG9253 CG9253 RE27528	
	FBgn0012037 Ance CG8827 LD11258	
	FBgn0012037 Ance CG8827 LD11258	
	FBgn0030406 CG1463 CG1463 GM05421	
embryonic central brain surface glia;	FBgn0037707 RnpS1 CG16788 LD23870	
	FBgn0025140 pit CG6375 LD46167	
	FBgn0024364 EG:8D8.4 CG11417 LD23562	
	FBgn0038391 GATAe CG10278 LD08432	
	FBgn0000659 fkh CG10002 RE03865	
	FBgn0012037 Ance CG8827 LD11258	
	FBgn0025631 EG:22E5.11 CG4322 RE06985	
	FBgn0038391 GATAe CG10278 LD08432	
embryonic midgut chamber;	FBgn0032512 CG9305 CG9305 GH09630	

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Anatomical Structures	Genes	
embryonic main segment of Malpighian tubule; embryonic central nervous system;	FBgn0033562 CG6751 CG6751 RE21021 FBgn0041156 exex CG8254 RE39081 FBgn0051431 CG31431 CG31431 RE47547 FBgn0032195 CG4908 CG4908 RH68195	
	FBgn0000659 fkh CG10002 RE03865	
	FBgn0037607 CG8036 CG8036 HL01241 FBgn0037707 RnpS1 CG16788 LD23870 FBgn0011638 La CG10922 RE69138 FBgn0000054 Adf1 CG15845 LD09689 FBgn0037811 CG12592 CG12592 AT09724 FBgn0000659 fkh CG10002 RE03865 FBgn0025631 EG:22E5.11 CG4322 RE06985 FBgn0041156 exex CG8254 RE39081 FBgn0000054 Adf1 CG15845 LD09689	
	embryonic foregut;	FBgn0039537 CG5590 CG5590 GH01709 FBgn0000659 fkh CG10002 RE03865 FBgn0040297 NHE2 CG9256 RE21674
	tracheal primordium;	FBgn0037811 CG12592 CG12592 AT09724
	large intestine specific anlage;	FBgn0000659 fkh CG10002 RE03865
	longitudinal visceral mesoderm primordium;	FBgn0033562 CG6751 CG6751 RE21021 FBgn0032919 CG9253 CG9253 RE27528 FBgn0036298 CG10627 CG10627 LD02044
	external foregut primordium;	FBgn0029629 CG8636 CG8636 LD24347 FBgn0014868 Ost48 CG9022 LD21941 FBgn0037811 CG12592 CG12592 AT09724 FBgn0000659 fkh CG10002 RE03865 FBgn0033562 CG6751 CG6751 RE21021
	embryonic proventriculus outer layer;	FBgn0014868 Ost48 CG9022 LD21941
	lateral cord glia;	FBgn0020647 KrT95D CG5405 AT03104 FBgn0037811 CG12592 CG12592 AT09724
procephalic neuroblasts;	FBgn0037607 CG8036 CG8036 HL01241 FBgn0031229 CG3436 CG3436 GM13767	
rectum specific anlage;	FBgn0000659 fkh CG10002 RE03865	
embryonic small intestine;	FBgn0011638 La CG10922 RE69138	

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<i>Table 17 continued from previous page.</i>	
Anatomical Structures	Genes
procrystal cell;	FBgn0000659 fkh CG10002 RE03865
	FBgn0027621 Pfrx CG3400 GH17337 FBgn0040260 Ugt36Bc CG17932 RE03785 FBgn0051431 CG31431 CG31431 RE47547
garland cell primordium;	FBgn0000257 car CG12230 LD22396 FBgn0040297 NHE2 CG9256 RE21674
embryonic brain;	FBgn0037607 CG8036 CG8036 HL01241 FBgn0030406 CG1463 CG1463 GM05421 FBgn0037707 RnpS1 CG16788 LD23870 FBgn0014868 Ost48 CG9022 LD21941 FBgn0011638 La CG10922 RE69138 FBgn0000659 fkh CG10002 RE03865 FBgn0025631 EG:22E5.11 CG4322 RE06985
	salivary gland body primordium;
embryonic hindgut;	FBgn0031845 CG9232 CG9232 HL01018 FBgn0033637 CG9006 CG9006 GM14222 FBgn0029629 CG8636 CG8636 LD24347 FBgn0039537 CG5590 CG5590 GH01709 FBgn0014868 Ost48 CG9022 LD21941 FBgn0011638 La CG10922 RE69138 FBgn0037811 CG12592 CG12592 AT09724 FBgn0000659 fkh CG10002 RE03865 FBgn0052920 CG32920 CG32920 RE19605 FBgn0032444 CG5525 CG5525 RE61939 FBgn0036298 CG10627 CG10627 LD02044 FBgn0010926 l(3)07882 CG5824 LD15947 FBgn0027619 Adam CG12131 GH12681
	embryonic anal pad;
embryonic Malpighian tubule;	

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<i>Table 17 continued from previous page.</i>		
Anatomical Structures	Genes	
ventral nerve cord;	FBgn0038391 GATAe CG10278 LD08432	
	FBgn0033637 CG9006 CG9006 GM14222	
	FBgn0011638 La CG10922 RE69138	
	FBgn0038391 GATAe CG10278 LD08432	
	FBgn0000659 fkh CG10002 RE03865	
	FBgn0035654 CG13290 CG13290 RE08107	
	FBgn0037816 CG6345 CG6345 RE15838	
	FBgn0036298 CG10627 CG10627 LD02044	
	FBgn0027619 Adam CG12131 GH12681	
	FBgn0037707 RnpS1 CG16788 LD23870	
ventral nerve cord primordium;	FBgn0014868 Ost48 CG9022 LD21941	
	FBgn0031229 CG3436 CG3436 GM13767	
	FBgn0000054 Adf1 CG15845 LD09689	
	FBgn0037811 CG12592 CG12592 AT09724	
	FBgn0025631 EG:22E5.11 CG4322 RE06985	
	FBgn0041156 exex CG8254 RE39081	
	FBgn0000054 Adf1 CG15845 LD09689	
	FBgn0037607 CG8036 CG8036 HL01241	
	FBgn0037707 RnpS1 CG16788 LD23870	
	FBgn0039537 CG5590 CG5590 GH01709	
visual primordium;	FBgn0027621 Pfrx CG3400 GH17337	
	FBgn0037811 CG12592 CG12592 AT09724	
	FBgn0040297 NHE2 CG9256 RE21674	
	foregut primordium;	FBgn0038636 CG7698 CG7698 RE31408
		FBgn0000659 fkh CG10002 RE03865
	lateral cord;	FBgn0033562 CG6751 CG6751 RE21021
		FBgn0037607 CG8036 CG8036 HL01241
	crystal cell;	FBgn0037707 RnpS1 CG16788 LD23870
		FBgn0014868 Ost48 CG9022 LD21941
		FBgn0040297 NHE2 CG9256 RE21674
FBgn0041156 exex CG8254 RE39081		
FBgn0027621 Pfrx CG3400 GH17337		
embryonic ventral epidermis;	FBgn0040260 Ugt36Bc CG17932 RE03785	
	FBgn0051431 CG31431 CG31431 RE47547	
	FBgn0035654 CG13290 CG13290 RE08107	
lateral cord neuron;	FBgn0037811 CG12592 CG12592 AT09724	
	FBgn0041156 exex CG8254 RE39081	
embryonic midgut interstitial cell;		

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<i>Table 17 continued from previous page.</i>			
Anatomical Structures	Genes		
visceral muscle primordium;	FBgn0032195 CG4908 CG4908 RH68195		
	FBgn0010926 l(3)07882 CG5824 LD15947		
	FBgn0037707 RnpS1 CG16788 LD23870		
	FBgn0011638 La CG10922 RE69138		
	FBgn0020647 KrT95D CG5405 AT03104		
	FBgn0033562 CG6751 CG6751 RE21021		
	FBgn0032919 CG9253 CG9253 RE27528		
	FBgn0010926 l(3)07882 CG5824 LD15947		
	FBgn0053099 CG33099 CG33099 LD12611		
	FBgn0031845 CG9232 CG9232 HL01018		
amnioserosa;	FBgn0012037 Ance CG8827 LD11258		
	FBgn0000659 fkh CG10002 RE03865		
	FBgn0034356 CG10924 CG10924 RE12569		
	FBgn0051431 CG31431 CG31431 RE47547		
	FBgn0012037 Ance CG8827 LD11258		
	embryonic salivary gland duct;	FBgn0039537 CG5590 CG5590 GH01709	
		trunk mesoderm primordium;	FBgn0053099 CG33099 CG33099 LD12611
			FBgn0037810 CG12819 CG12819 GM08848
			FBgn0010292 bys CG1430 LD14510
			FBgn0030406 CG1463 CG1463 GM05421
FBgn0010926 l(3)07882 CG5824 LD15947			
FBgn0025366 Ip259 CG5277 GM13959			
FBgn0033637 CG9006 CG9006 GM14222			
FBgn0037707 RnpS1 CG16788 LD23870			
FBgn0038585 CG7993 CG7993 GH01229			
FBgn0039537 CG5590 CG5590 GH01709			
FBgn0025140 pit CG6375 LD46167			
FBgn0027621 Pfrx CG3400 GH17337			
FBgn0014868 Ost48 CG9022 LD21941			
FBgn0024364 EG:8D8.4 CG11417 LD23562			
FBgn0037926 CG10535 CG10535 GM13228			
FBgn0033562 CG6751 CG6751 RE59607			
FBgn0011638 La CG10922 RE69138			
FBgn0000054 Adf1 CG15845 LD09689			
FBgn0032168 CG13126 CG13126 RE01590			
FBgn0052920 CG32920 CG32920 RE19605			
FBgn0033562 CG6751 CG6751 RE21021			
FBgn0040297 NHE2 CG9256 RE21674			
FBgn0040080 raps CG5692 RE22964			
FBgn0032919 CG9253 CG9253 RE27528			
FBgn0038636 CG7698 CG7698 RE31408			
FBgn0032444 CG5525 CG5525 RE61939			

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<i>Table 17 continued from previous page.</i>	
Anatomical Structures	Genes
protocerebrum primordium;	FBgn0036298 CG10627 CG10627 LD02044 FBgn0010926 l(3)07882 CG5824 LD15947 FBgn0027619 Adam CG12131 GH12681 FBgn0000054 Adf1 CG15845 LD09689
	FBgn0037707 RnpS1 CG16788 LD23870 FBgn0037811 CG12592 CG12592 AT09724 FBgn0000659 fkh CG10002 RE03865 FBgn0040297 NHE2 CG9256 RE21674 FBgn0032919 CG9253 CG9253 RE27528 FBgn0038636 CG7698 CG7698 RE31408
embryonic dorsal pouch primordium;	FBgn0012037 Ance CG8827 LD11258 FBgn0012037 Ance CG8827 LD11258
embryonic/larval garland cell;	FBgn0000257 car CG12230 LD22396 FBgn0040297 NHE2 CG9256 RE21674
ventral epidermis primordium;	FBgn0037811 CG12592 CG12592 AT09724
neuroblasts of ventral nervous system;	FBgn0037607 CG8036 CG8036 HL01241 FBgn0031229 CG3436 CG3436 GM13767 FBgn0040297 NHE2 CG9256 RE21674
gnathal primordium;	FBgn0035654 CG13290 CG13290 RE08107
embryonic/larval hemocyte;	FBgn0040297 NHE2 CG9256 RE21674 FBgn0051431 CG31431 CG31431 RE47547
anterior midgut primordium;	FBgn0053099 CG33099 CG33099 LD12611 FBgn0037810 CG12819 CG12819 GM08848 FBgn0010292 bys CG1430 LD14510 FBgn0031845 CG9232 CG9232 HL01018 FBgn0037607 CG8036 CG8036 HL01241 FBgn0012037 Ance CG8827 LD11258 FBgn0030406 CG1463 CG1463 GM05421 FBgn0010926 l(3)07882 CG5824 LD15947 FBgn0038391 GATAe CG10278 LD08432 FBgn0025366 Ip259 CG5277 GM13959 FBgn0033637 CG9006 CG9006 GM14222 FBgn0037707 RnpS1 CG16788 LD23870 FBgn0029629 CG8636 CG8636 LD24347 FBgn0038585 CG7993 CG7993 GH01229 FBgn0039537 CG5590 CG5590 GH01709 FBgn0025140 pit CG6375 LD46167 FBgn0027621 Pfrx CG3400 GH17337

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Table 17 continued from previous page.

Anatomical Structures	Genes
	FBgn0014868 Ost48 CG9022 LD21941
	FBgn0000257 car CG12230 LD22396
	FBgn0024364 EG:8D8.4 CG11417 LD23562
	FBgn0037926 CG10535 CG10535 GM13228
	FBgn0033562 CG6751 CG6751 RE59607
	FBgn0011638 La CG10922 RE69138
	FBgn0031229 CG3436 CG3436 GM13767
	FBgn0032512 CG9305 CG9305 GH09630
	FBgn0000054 Adf1 CG15845 LD09689
	FBgn0038391 GATAe CG10278 LD08432
	FBgn0020647 KrT95D CG5405 AT03104
	FBgn0037811 CG12592 CG12592 AT09724
	FBgn0032168 CG13126 CG13126 RE01590
	FBgn0040260 Ugt36Bc CG17932 RE03785
	FBgn0000659 fkh CG10002 RE03865
	FBgn0051810 CG31810 CG31810 RE06583
	FBgn0025631 EG:22E5.11 CG4322 RE06985
	FBgn0035654 CG13290 CG13290 RE08107
	FBgn0034356 CG10924 CG10924 RE12569
	FBgn0037816 CG6345 CG6345 RE15838
	FBgn0052920 CG32920 CG32920 RE19605
	FBgn0033562 CG6751 CG6751 RE21021
	FBgn0040297 NHE2 CG9256 RE21674
	FBgn0040080 raps CG5692 RE22964
	FBgn0032919 CG9253 CG9253 RE27528
	FBgn0036774 mRpS26 CG7354 RE31184
	FBgn0038636 CG7698 CG7698 RE31408
	FBgn0041156 exex CG8254 RE39081
	FBgn0051431 CG31431 CG31431 RE47547
	FBgn0032194 CG4901 CG4901 RE48269
	FBgn0032444 CG5525 CG5525 RE61939
	FBgn0032195 CG4908 CG4908 RH68195
	FBgn0036298 CG10627 CG10627 LD02044
	FBgn0010926 l(3)07882 CG5824 LD15947
	FBgn0027619 Adam CG12131 GH12681
	FBgn0000054 Adf1 CG15845 LD09689
	FBgn0012037 Ance CG8827 LD11258
head mesoderm P2 primordium;	FBgn0010292 bys CG1430 LD14510
	FBgn0010926 l(3)07882 CG5824 LD15947
	FBgn0025366 Ip259 CG5277 GM13959
	FBgn0033637 CG9006 CG9006 GM14222
	FBgn0039537 CG5590 CG5590 GH01709
	FBgn0025140 pit CG6375 LD46167
	FBgn0027621 Pfrx CG3400 GH17337
	FBgn0014868 Ost48 CG9022 LD21941

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Table 17 continued from previous page.

Anatomical Structures	Genes
	FBgn0000257 car CG12230 LD22396
	FBgn0024364 EG:8D8.4 CG11417 LD23562
	FBgn0033562 CG6751 CG6751 RE59607
	FBgn0011638 La CG10922 RE69138
	FBgn0000054 Adf1 CG15845 LD09689
	FBgn0040260 Ugt36Bc CG17932 RE03785
	FBgn0025631 EG:22E5.11 CG4322 RE06985
	FBgn0052920 CG32920 CG32920 RE19605
	FBgn0033562 CG6751 CG6751 RE21021
	FBgn0040297 NHE2 CG9256 RE21674
	FBgn0040080 raps CG5692 RE22964
	FBgn0032919 CG9253 CG9253 RE27528
	FBgn0051431 CG31431 CG31431 RE47547
	FBgn0032444 CG5525 CG5525 RE61939
	FBgn0036298 CG10627 CG10627 LD02044
	FBgn0010926 l(3)07882 CG5824 LD15947
	FBgn0027619 Adam CG12131 GH12681
	FBgn0000054 Adf1 CG15845 LD09689
cardiac mesoderm primordium;	
embryonic ganglion mother cell;	FBgn0040297 NHE2 CG9256 RE21674
embryonic salivary gland body;	FBgn0040297 NHE2 CG9256 RE21674
	FBgn0014868 Ost48 CG9022 LD21941
	FBgn0000054 Adf1 CG15845 LD09689
	FBgn0000659 fkh CG10002 RE03865
	FBgn0051810 CG31810 CG31810 RE06583
	FBgn0000054 Adf1 CG15845 LD09689
lamellocyte specific anlage;	
	FBgn0000257 car CG12230 LD22396
	FBgn0000054 Adf1 CG15845 LD09689
	FBgn0025631 EG:22E5.11 CG4322 RE06985
	FBgn0033562 CG6751 CG6751 RE21021
	FBgn0040297 NHE2 CG9256 RE21674
	FBgn0051431 CG31431 CG31431 RE47547
	FBgn0000054 Adf1 CG15845 LD09689
crystal cell specific anlage;	
	FBgn0027621 Pfrx CG3400 GH17337
	FBgn0040260 Ugt36Bc CG17932 RE03785
	FBgn0025631 EG:22E5.11 CG4322 RE06985
	FBgn0051431 CG31431 CG31431 RE47547
embryonic large intestine;	
	FBgn0011638 La CG10922 RE69138
	FBgn0000659 fkh CG10002 RE03865