

Cluster	Gene Ontology term	Cluster frequency	Genome frequency	Corrected P-value
1	procephalic ectoderm primordium	10 of 13 genes, 76.92%	259 of 2609 genes, 9.93%	7.93989e-07
	ventral ectoderm primordium	5 of 13 genes, 38.46%	195 of 2609 genes, 7.47%	0.0199799
	anterior endoderm primordium	7 of 13 genes, 53.85%	361 of 2609 genes, 13.84%	0.0113986
	ventral nerve cord primordium P3	8 of 13 genes, 61.54%	214 of 2609 genes, 8.20%	3.72969e-05
2	procephalic ectoderm primordium	9 of 22 genes, 40.91%	259 of 2609 genes, 9.93%	0.00584779
	visual primordium	3 of 22 genes, 13.64%	38 of 2609 genes, 1.46%	0.0278128
	anterior endoderm primordium	9 of 22 genes, 40.91%	361 of 2609 genes, 13.84%	0.0182396
	trunk mesoderm primordium	10 of 22 genes, 45.45%	416 of 2609 genes, 15.94%	0.0182396
	ventral nerve cord primordium P3	7 of 22 genes, 31.82%	214 of 2609 genes, 8.20%	0.0182396
4	head mesoderm primordium P2	9 of 22 genes, 40.91%	383 of 2609 genes, 14.68%	0.0223705
	dorsal ectoderm primordium	4 of 11 genes, 36.36%	107 of 2609 genes, 4.10%	0.0108335
	procephalic ectoderm primordium	5 of 11 genes, 45.45%	259 of 2609 genes, 9.93%	0.0298304
	ventral ectoderm primordium	5 of 11 genes, 45.45%	195 of 2609 genes, 7.47%	0.0108335
5	yolk nuclei	4 of 11 genes, 36.36%	85 of 2609 genes, 3.26%	0.0108335
	procephalic ectoderm primordium	5 of 7 genes, 71.43%	259 of 2609 genes, 9.93%	0.00759191
6	ventral nerve cord primordium P3	4 of 7 genes, 57.14%	214 of 2609 genes, 8.20%	0.0290861
	posterior endoderm primordium	10 of 12 genes, 83.33%	380 of 2609 genes, 14.56%	8.92704e-06
	inclusive hindgut primordium	5 of 12 genes, 41.67%	185 of 2609 genes, 7.09%	0.00821199
	anterior endoderm primordium	6 of 12 genes, 50.00%	361 of 2609 genes, 13.84%	0.0195944
	trunk mesoderm primordium	6 of 12 genes, 50.00%	416 of 2609 genes, 15.94%	0.0357272
	head mesoderm primordium P2	7 of 12 genes, 58.33%	383 of 2609 genes, 14.68%	0.00651296
	yolk nuclei	5 of 12 genes, 41.67%	85 of 2609 genes, 3.26%	0.000496687
	amnioserosa primordium	3 of 12 genes, 25.00%	48 of 2609 genes, 1.84%	0.0087775
	dorsal epidermis anlage	2 of 12 genes, 16.67%	8 of 2609 genes, 0.31%	0.00651296
	inclusive hindgut primordium	6 of 10 genes, 60.00%	185 of 2609 genes, 7.09%	0.000892727
7	salivary gland duct specific anlage	1 of 10 genes, 10.00%	1 of 2609 genes, 0.04%	0.0352626
	anterior endoderm primordium	6 of 10 genes, 60.00%	361 of 2609 genes, 13.84%	0.0176054
	posterior endoderm primordium	6 of 10 genes, 60.00%	380 of 2609 genes, 14.56%	0.0176054
	trunk mesoderm primordium	6 of 10 genes, 60.00%	416 of 2609 genes, 15.94%	0.0216104
	procephalic ectoderm primordium	10 of 13 genes, 76.92%	259 of 2609 genes, 9.93%	3.96995e-07
8	ventral ectoderm primordium	5 of 13 genes, 38.46%	195 of 2609 genes, 7.47%	0.0205037
	trunk mesoderm primordium	7 of 13 genes, 53.85%	416 of 2609 genes, 15.94%	0.0205037
	ventral nerve cord primordium P3	12 of 13 genes, 92.31%	214 of 2609 genes, 8.20%	3.85669e-11
	trunk mesoderm primordium	10 of 16 genes, 62.50%	416 of 2609 genes, 15.94%	0.00142784
9	ventral ectoderm primordium	6 of 16 genes, 37.50%	195 of 2609 genes, 7.47%	0.0105114
	ventral nerve cord primordium P3	6 of 16 genes, 37.50%	214 of 2609 genes, 8.20%	0.0129817
	head mesoderm primordium P2	9 of 16 genes, 56.25%	383 of 2609 genes, 14.68%	0.00292224
	head mesoderm primordium P2	9 of 13 genes, 69.23%	383 of 2609 genes, 14.68%	0.000552164
	anterior endoderm primordium	8 of 13 genes, 61.54%	361 of 2609 genes, 13.84%	0.00190482
10	posterior endoderm primordium	8 of 13 genes, 61.54%	380 of 2609 genes, 14.56%	0.00190482
	trunk mesoderm primordium	8 of 13 genes, 61.54%	416 of 2609 genes, 15.94%	0.00276461
	crystal cell specific anlage	2 of 13 genes, 15.38%	12 of 2609 genes, 0.46%	0.0112788
	yolk nuclei	3 of 13 genes, 23.08%	85 of 2609 genes, 3.26%	0.0495212
	amnioserosa primordium	3 of 13 genes, 23.08%	48 of 2609 genes, 1.84%	0.0112788
	head mesoderm primordium P2	48 of 67 genes, 71.64%	383 of 2609 genes, 14.68%	5.84695e-25
	trunk mesoderm primordium	49 of 67 genes, 73.13%	416 of 2609 genes, 15.94%	9.8449e-25
11	inclusive hindgut primordium	22 of 67 genes, 32.84%	185 of 2609 genes, 7.09%	2.31777e-09
	anterior endoderm primordium	44 of 67 genes, 65.67%	361 of 2609 genes, 13.84%	6.2578e-22
	posterior endoderm primordium	43 of 67 genes, 64.18%	380 of 2609 genes, 14.56%	5.15659e-20
	procephalic ectoderm primordium	14 of 67 genes, 20.90%	259 of 2609 genes, 9.93%	0.0276785
	foregut primordium	7 of 67 genes, 10.45%	85 of 2609 genes, 3.26%	0.0276785
	ventral nerve cord primordium P3	20 of 67 genes, 29.85%	214 of 2609 genes, 8.20%	1.10392e-06
	central brain primordium P3	5 of 67 genes, 7.46%	41 of 2609 genes, 1.57%	0.0231197
	trunk mesoderm primordium	10 of 17 genes, 58.82%	416 of 2609 genes, 15.94%	0.00297849
	dorsal ectoderm primordium	5 of 17 genes, 29.41%	107 of 2609 genes, 4.10%	0.0101394
	inclusive hindgut primordium	5 of 17 genes, 29.41%	185 of 2609 genes, 7.09%	0.0266064
12	procephalic ectoderm primordium	6 of 17 genes, 35.29%	259 of 2609 genes, 9.93%	0.0250286
	ventral ectoderm primordium	6 of 17 genes, 35.29%	195 of 2609 genes, 7.47%	0.01108
	anterior endoderm primordium	8 of 17 genes, 47.06%	361 of 2609 genes, 13.84%	0.01108
	posterior endoderm primordium	8 of 17 genes, 47.06%	380 of 2609 genes, 14.56%	0.01108
	head mesoderm primordium P2	8 of 17 genes, 47.06%	383 of 2609 genes, 14.68%	0.01108
	strong ubiquitous	2 of 17 genes, 11.76%	13 of 2609 genes, 0.50%	0.0196426