S1:
4-cell
S7:
Ventral
enclosure
S10:
Larva
100
75
50
25
0
[%] of total genes
1 to 2
2 to 3
3 to 4
4 to 5
5 to 6
6 to 7
7 to 8
8 to 9
9 to 10
Developmental stage transitions
C. elegans genes with elevated expression from stage 6 - 8 (proposed phylotypic stage at S7):
Restricted to C. elegans
355 genes
93 clusters
186 clusters
Restricted to Nematoda*:
186 CEL genes,
129 RCU genes,
113 TSP genes
Found in all 4 species*:
330 CEL genes, 248 RCU genes,
248 TSP genes, 621 TCA genes
*Gene numbers include co-orthologues
Found in C. elegans (CEL), R. culicivorax (RCU), T. spiralis (TSP) and T. castaneum (TCA)
No clustered ortholog in R. culicivorax and T. spiralis, potential homologue identified with BLAST+
Found in C. elegans only