**Supplemental Figures**

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Supplemental Figure S1. PCA of protein expression profiles from 24 *S. japonicum* samples (Color dots: samples, Red: female, Blue: male).



Supplemental Figure S2. Individual protein expression profiles of selected proteins. The expression profiles for three house-keeping proteins (upper panel) and proteins known to be regulated in *S. japonicum* (lower panel) are shown. The bars represent the calculated median intensities based on three replicates. The blue columns represent male worms. The red columns represent female worms.



Supplemental Figure S3. GO terms of regulated proteins from 14 to 18 d in female worms.



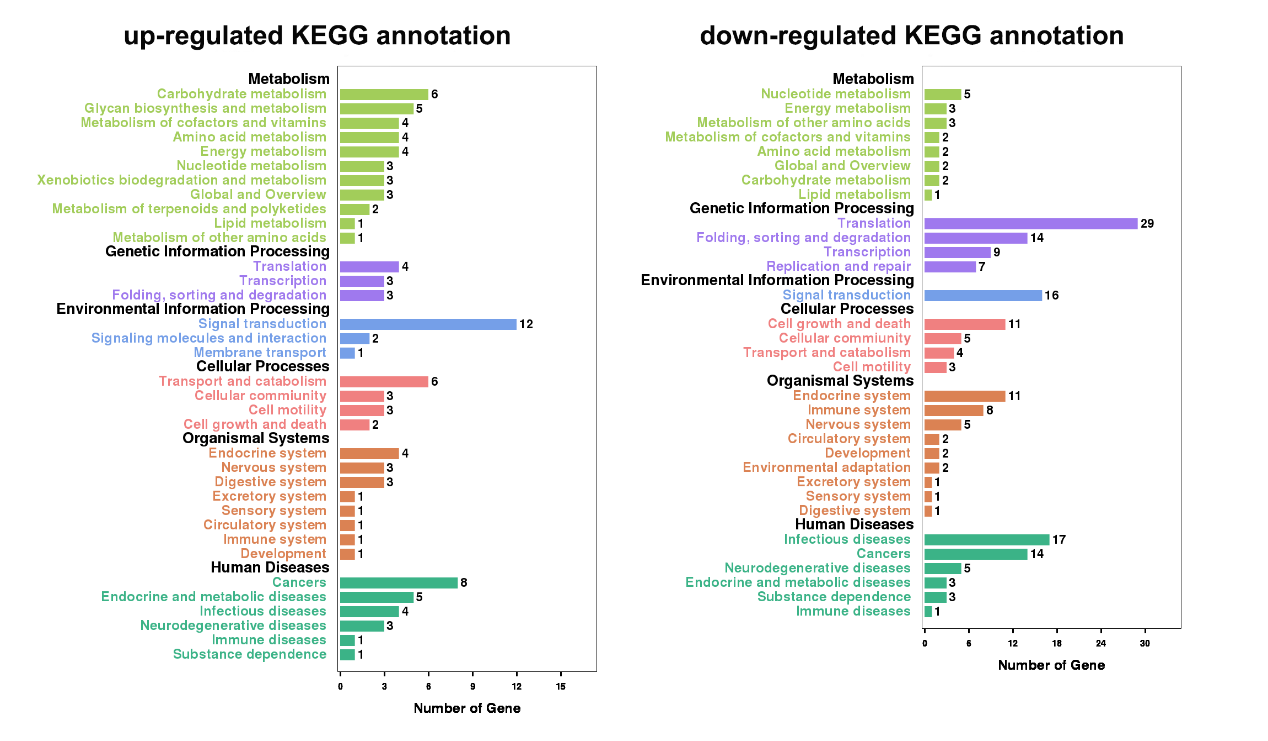
Supplemental Figure S4. GO terms of regulated proteins from 22 to 26 d in female worms.

D:\lab\iTRAQ\GO\modified figures\M 1418.tif

Supplemental Figure S5. GO terms of regulated proteins from 14 to 18 d in male worms.

D:\lab\iTRAQ\GO\modified figures\M 1822.tif

Supplemental Figure S6. GO terms of regulated proteins from 18 to 22 d in male worms.



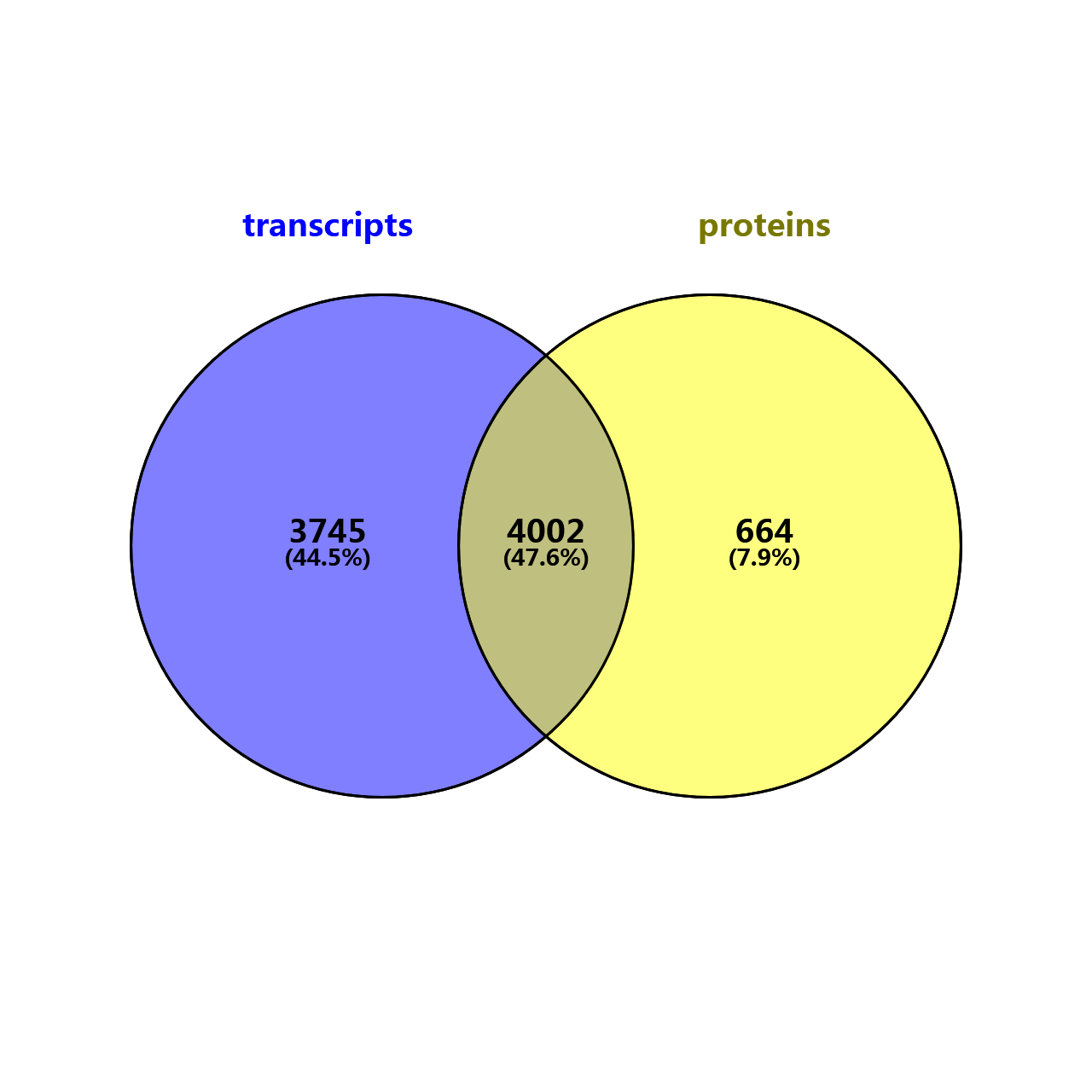
Supplemental Figure S7. KEGG annotation of regulated DEPs from 14 to 18 d in males.

D:\lab\iTRAQ\Pathway\M 1822.tif

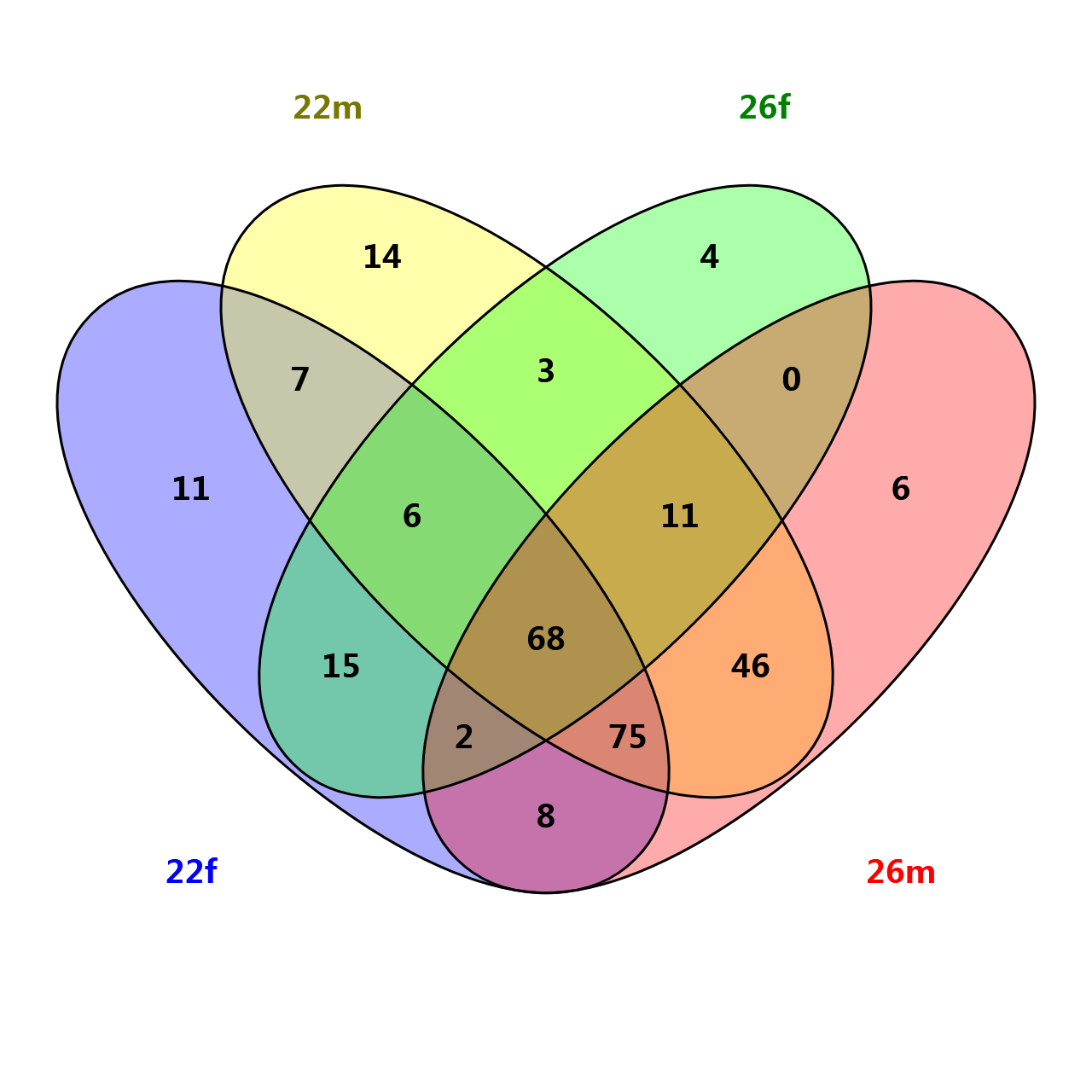
Supplemental Figure S8. KEGG annotation of regulated DEPs from 18 to 22 d. in males

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Supplemental Figure S9. KEGG annotation of regulated DEPs from 22 to 26 d in females.



Supplemental Figure S10. Venn diagrams of transcripts and identified proteins.



Supplemental Figure S11. Venn diagrams of male- and female-biased proteins involved pathways at 22 and 26 d. f: female, m: male.