Precision/Recall Curve for All Species w/ Complete Non Inferred Networks S. cerevisiae B. subtilis C. elegans D. melanogaster 1.0 1.0 1.0 1.0 0.8 8.0 8.0 8.0 Precision 9.0 Precision 900 Precision 9.0 Precision 90 0.4 0.4 0.4 0.4 One-Hop GO Overlap(area = 0.05) One-Hop GO Overlap(area = 0.08) One-Hop GO Overlap(area = 0.12) One-Hop GO Overlap(area = 0.16) Hypergeometric(area = 0.23) Hypergeometric(area = 0.04) Hypergeometric(area = 0.13) Hypergeometric(area = 0.16) Degree(area = 0.04) Degree(area = 0.03) Degree(area = 0.04)Degree(area = 0.09)RW(area = 0.90)RW(area = 0.83)RW(area = 0.86)RW(area = 0.71)0.0 0.0 0.4 0.6 8.0 0.2 0.4 0.6 0.0 0.2 0.4 8.0 0.4 0.0 0.2 0.0 8.0 0.6 0.2 0.6 8.0 1.0 1.0 1.0 1.0 0.0 Recall Recall Recall Recall D. rerio A. thaliana E. coli 1.0 1.0 1.0 0.8 0.8 8.0 Precision 90 Precision 9.0 **Precision** 0.4 0.4 0.4 One-Hop GO Overlap(area = 0.04) One-Hop GO Overlap(area = 0.19) One-Hop GO Overlap(area = 0.08) 0.2 Hypergeometric(area = 0.24) Hypergeometric(area = 0.06) Hypergeometric(area = 0.09) Degree(area = 0.06) Degree(area = 0.02) Degree(area = 0.03) RW(area = 0.82)RW(area = 0.68)RW(area = 0.73)0.0

0.4

0.0

0.2

0.6

Recall

8.0

1.0

0.0

0.2

0.4

0.6

Recall

8.0

1.0

0.0

0.2

0.4

0.6

Recall

8.0