

Figure S2. The enriched GO terms for downregulated genes in the chronically irradiated *A. thaliana* accession VS-0 in comparison with the reference accession Bab-0 (Molecular Function dictionary)

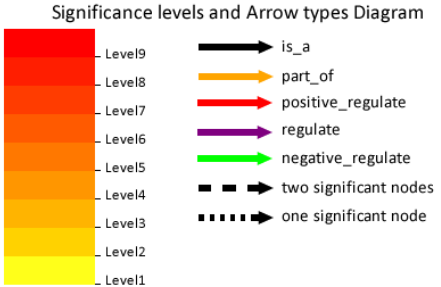
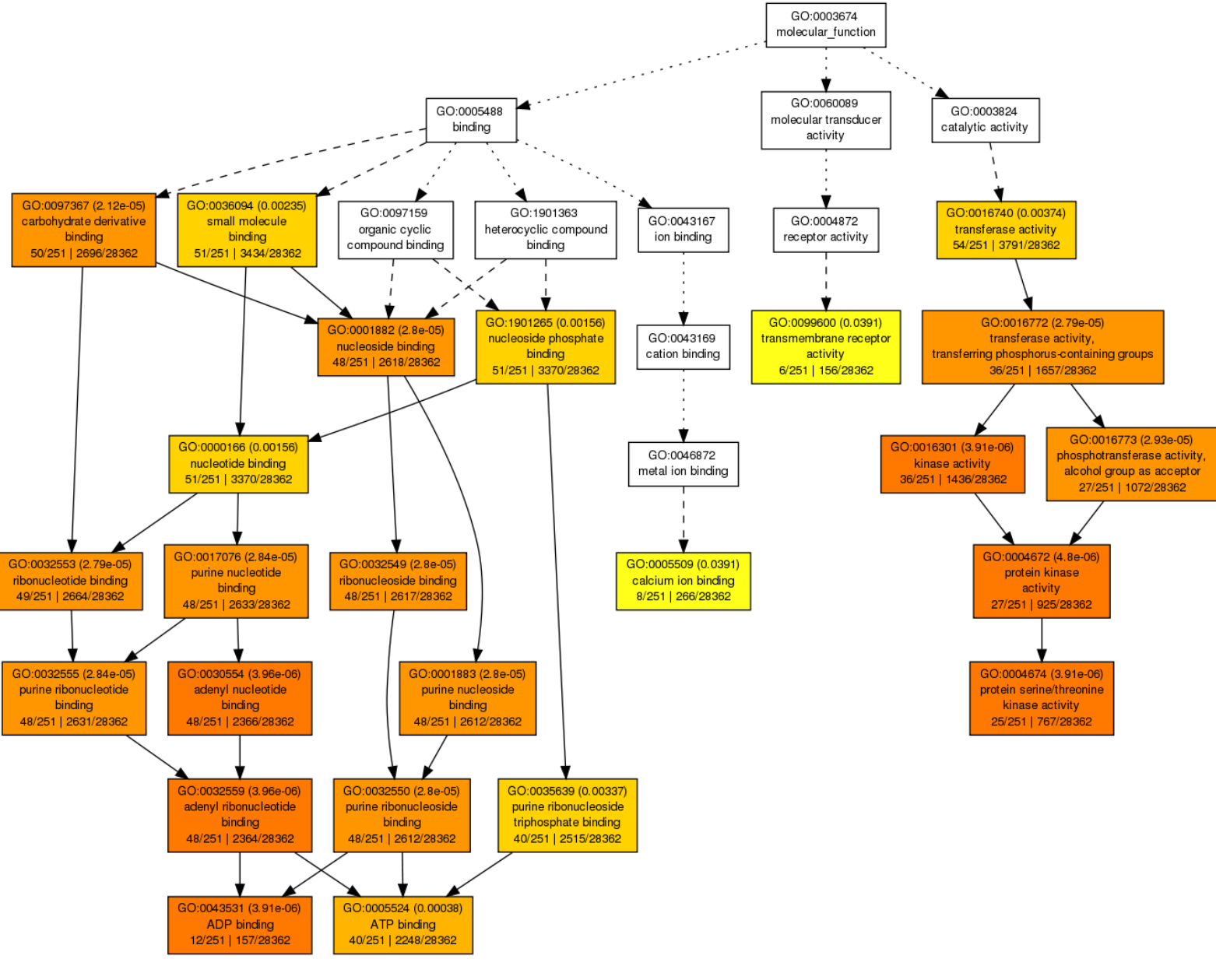


Figure S3. The enriched GO terms for upregulated genes in the chronically irradiated *A. thaliana* accession Masa-0 in comparison with the reference accession Bab-0 (Biological Process dictionary)

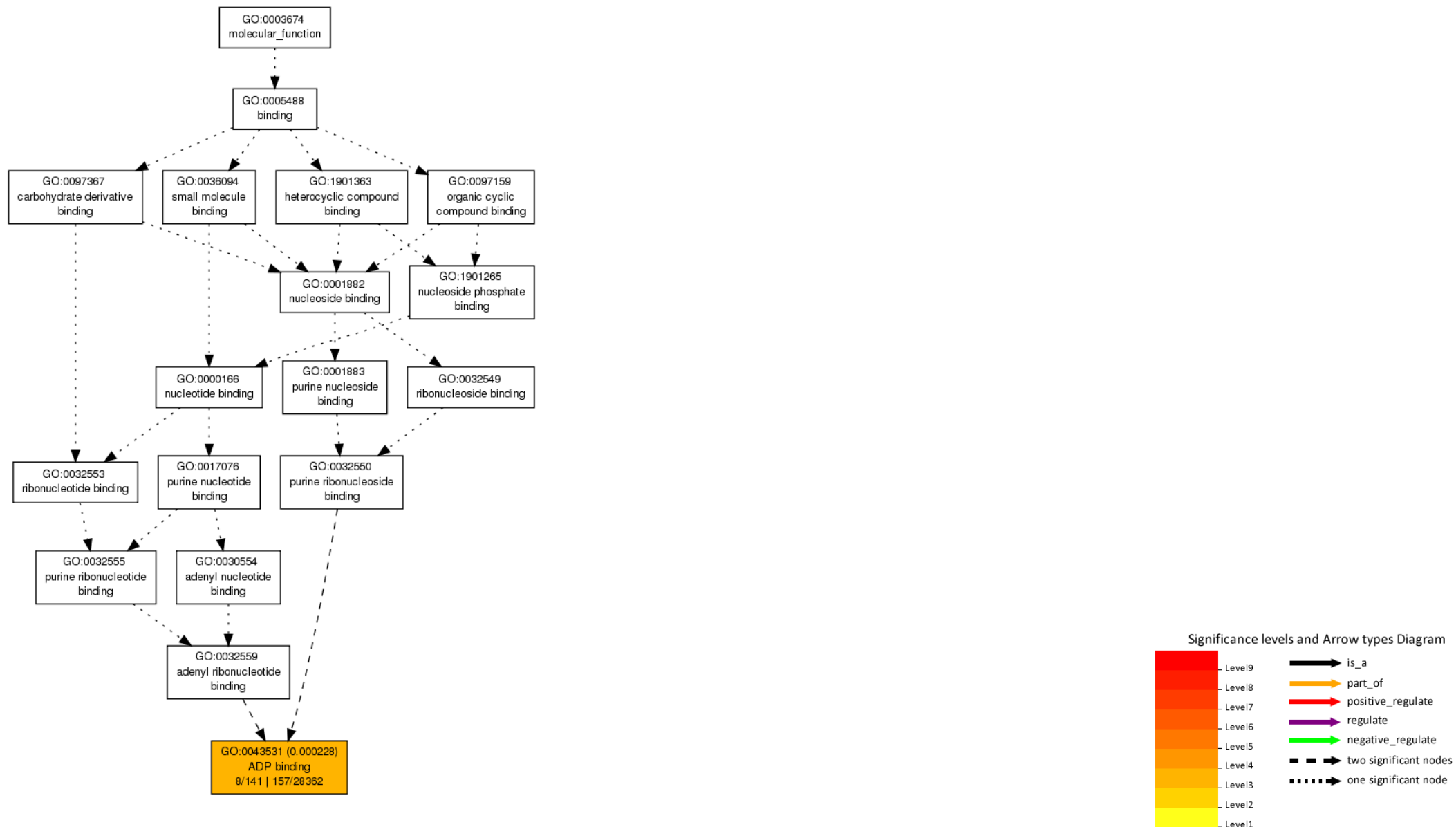


Figure S4. The enriched GO terms for downregulated genes in the chronically irradiated *A. thaliana* accession Masa-0 in comparison with the reference accession Bab-0 (Molecular Function dictionary)

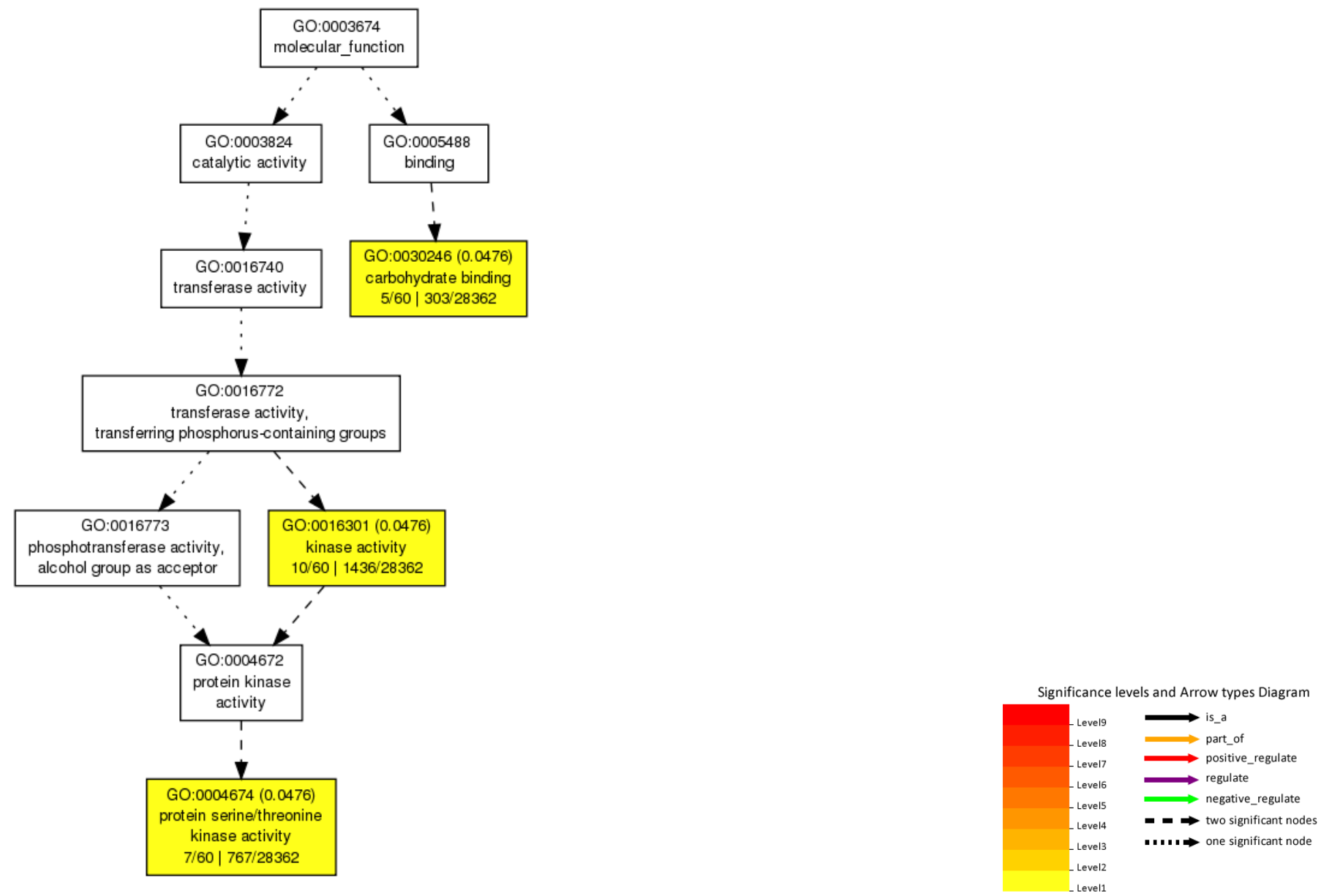


Figure S6. The enriched GO terms for downregulated genes after additional γ -irradiation of seeds from the accession Bab-0 in comparison with the reference non-irradiated seeds of the same accession (Biological Process dictionary)

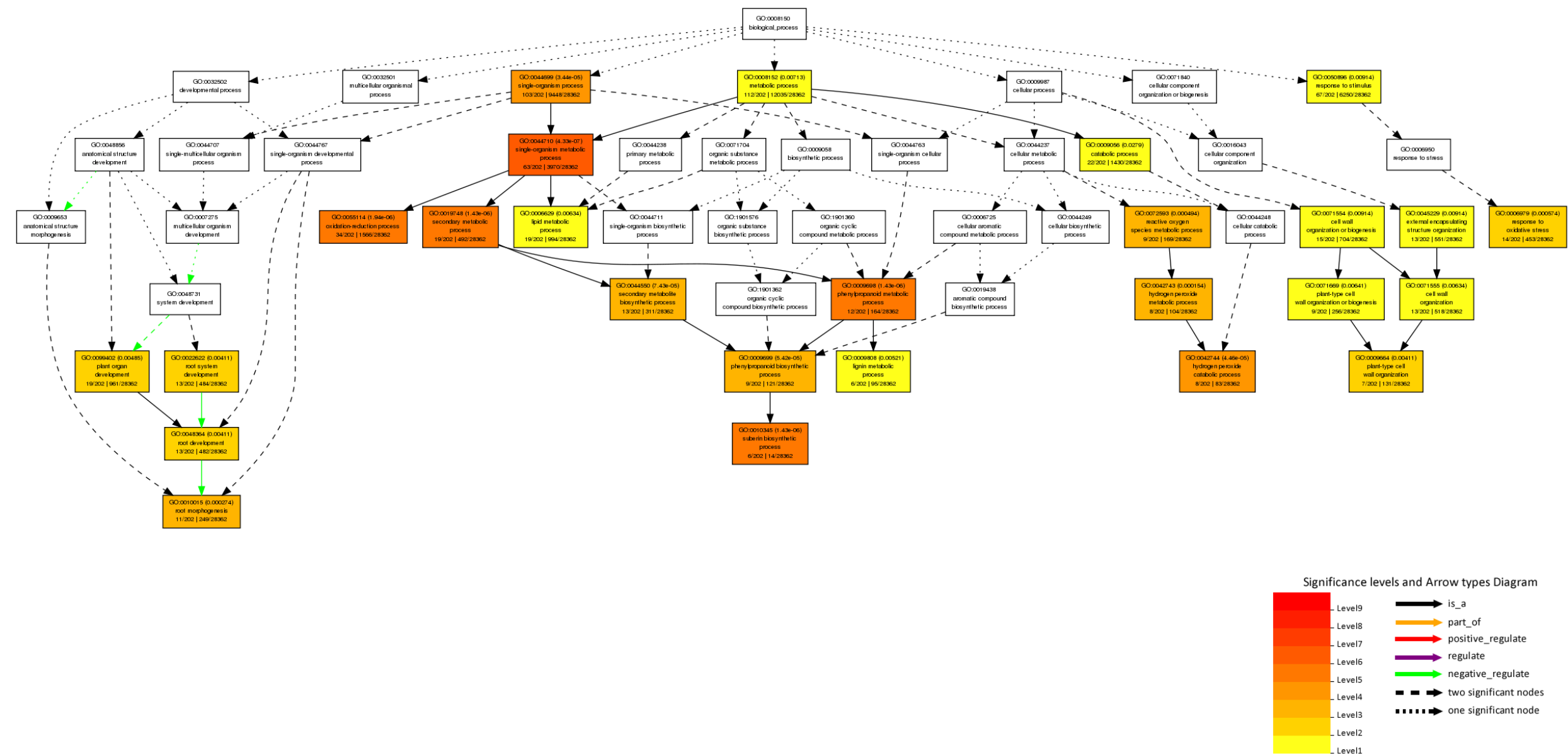


Figure S7. The enriched GO terms for upregulated genes after additional γ -irradiation of seeds from the accession Bab-0 in comparison with the reference non-irradiated seeds of the same accession (Molecular Function dictionary)

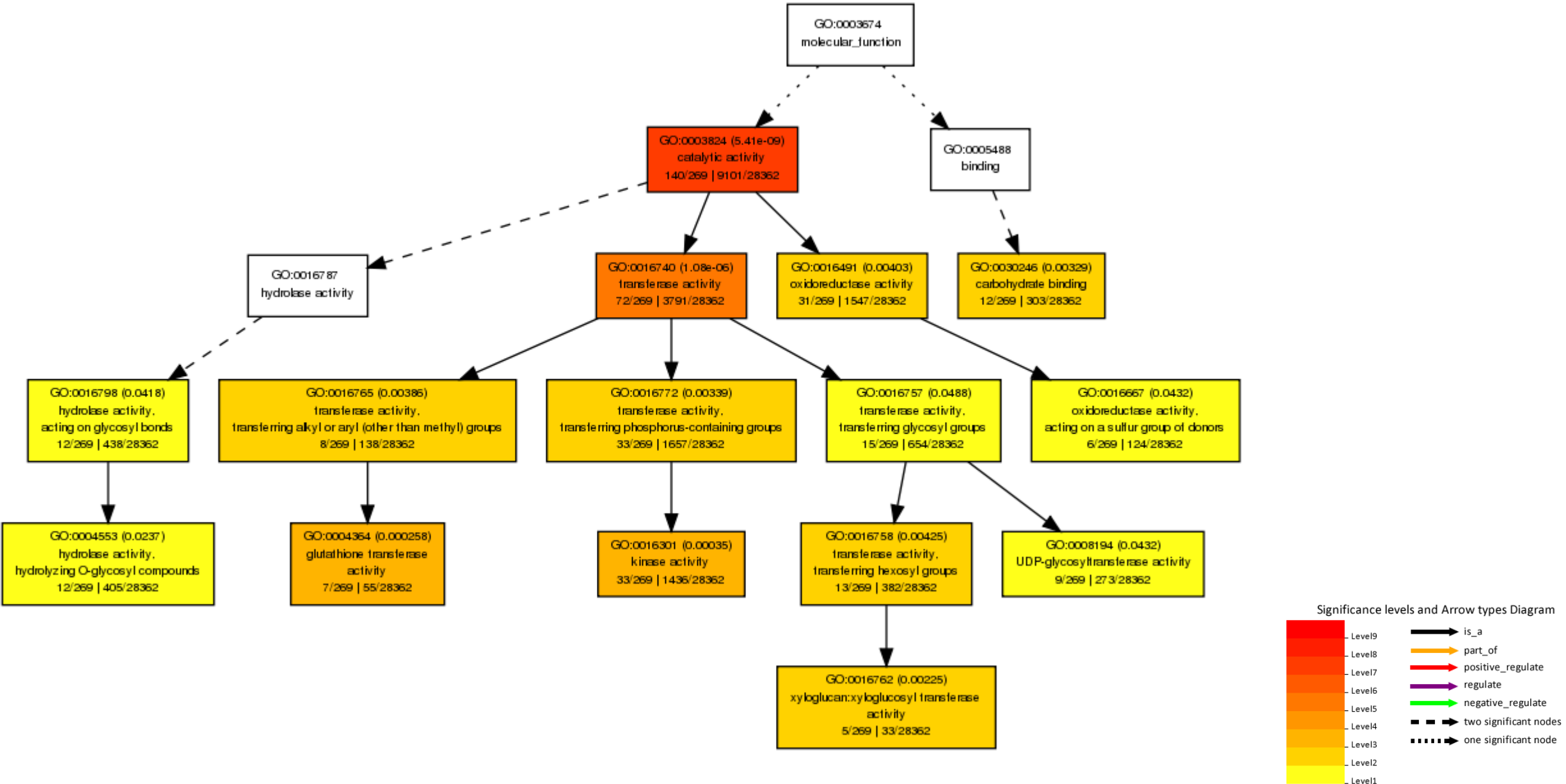


Figure S8. The enriched GO terms for downregulated genes after additional γ -irradiation of seeds from the accession Bab-0 in comparison with the reference non-irradiated seeds of the same accession (Molecular Function dictionary)

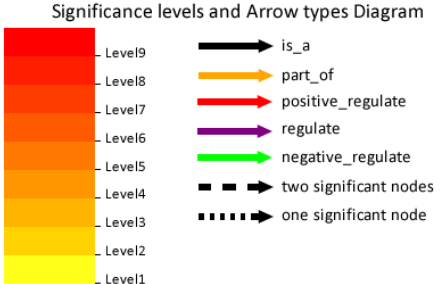
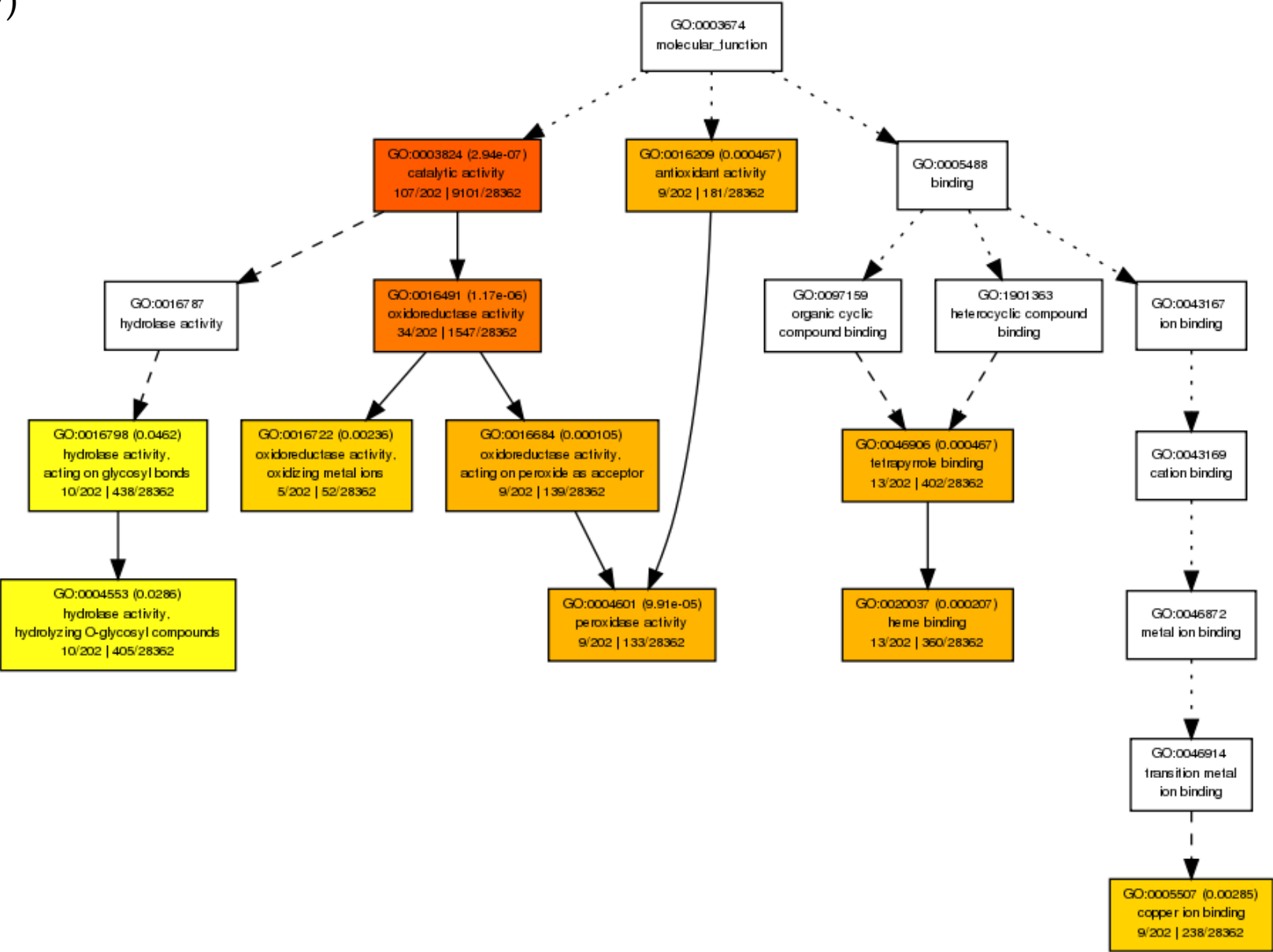


Figure S9. The enriched GO terms for upregulated genes after additional γ -irradiation of seeds from the accession Bab-0 in comparison with the reference non-irradiated seeds of the same accession (Cellular Component dictionary)

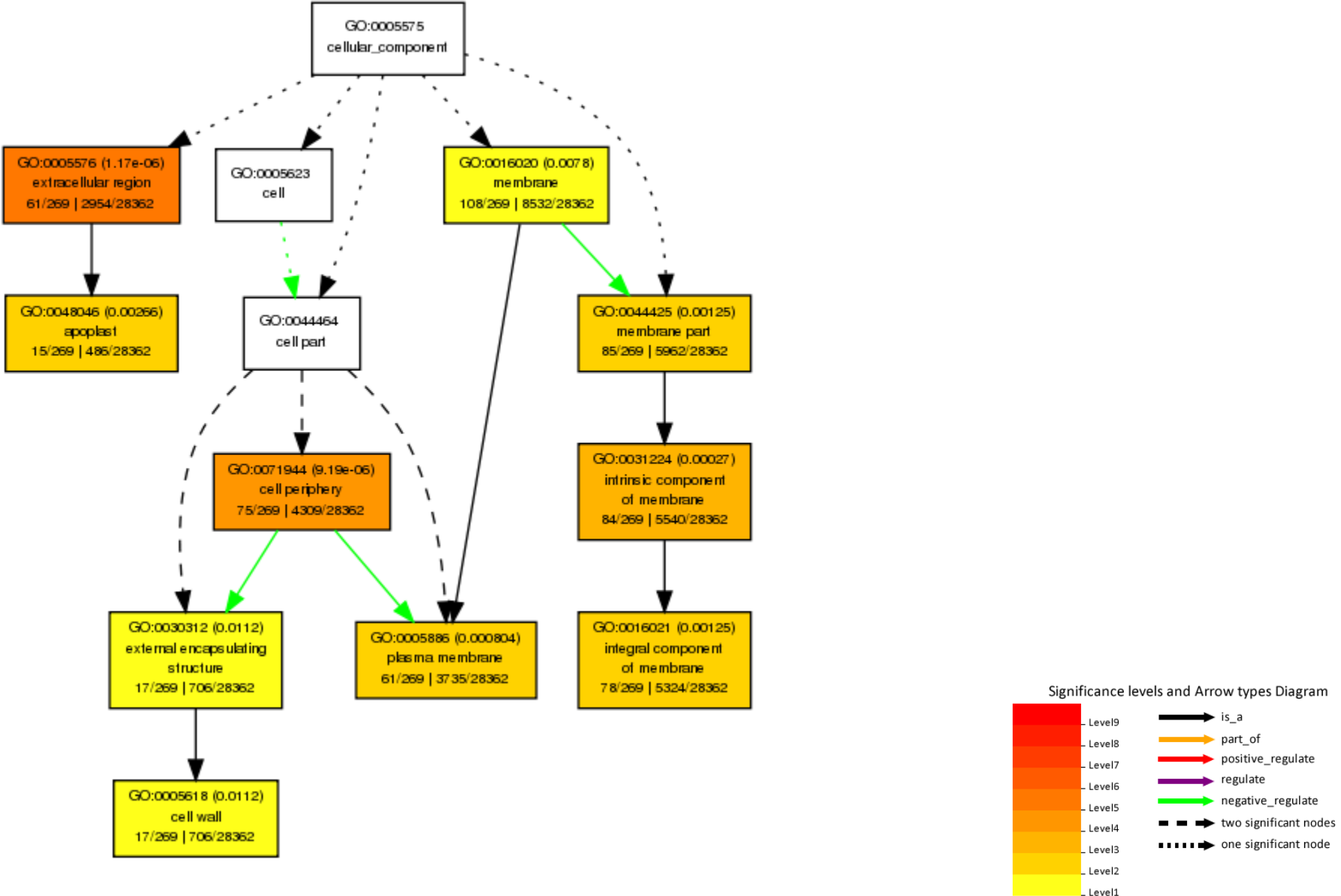


Figure S10. The enriched GO terms for downregulated genes after additional γ -irradiation of seeds from the accession Bab-0 in comparison with the reference non-irradiated seeds of the same accession (Cellular Component dictionary)

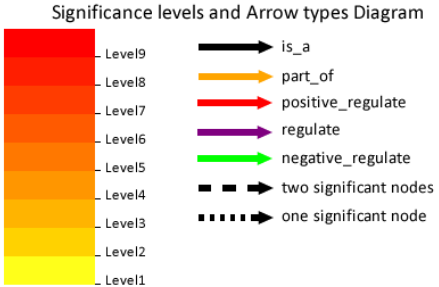
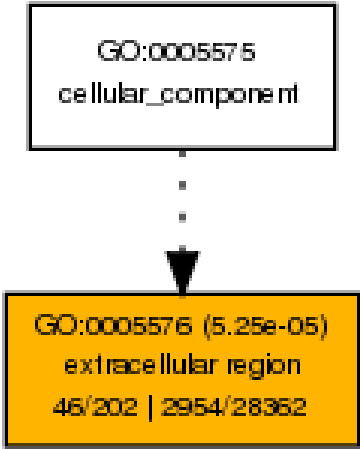


Figure S11. The enriched GO terms for upregulated genes after additional γ -irradiation of seeds from the accession VS-0 in comparison with the seeds of the same accession without acute irradiation (Biological Process dictionary)

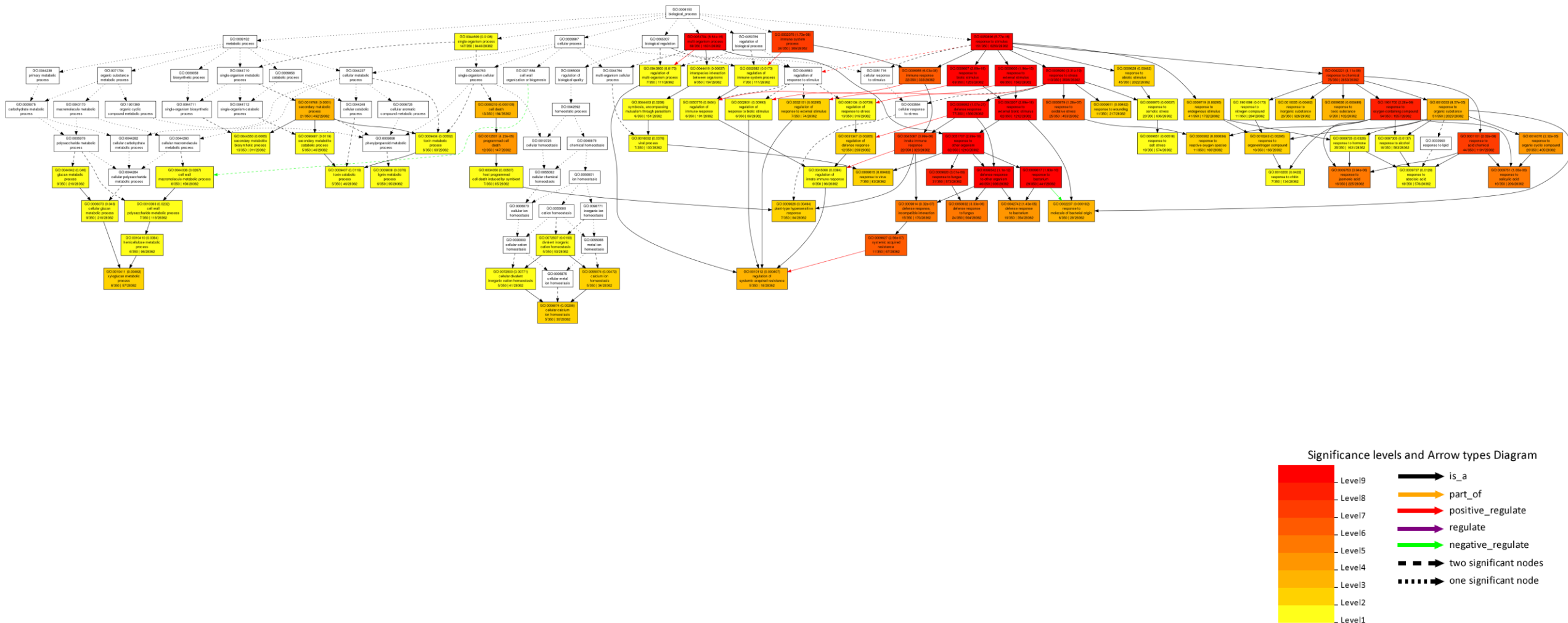


Figure S12. The enriched GO terms for downregulated genes after additional γ -irradiation of seeds from the accession VS-0 in comparison with the seeds of the same accession without acute irradiation (Biological Process dictionary)

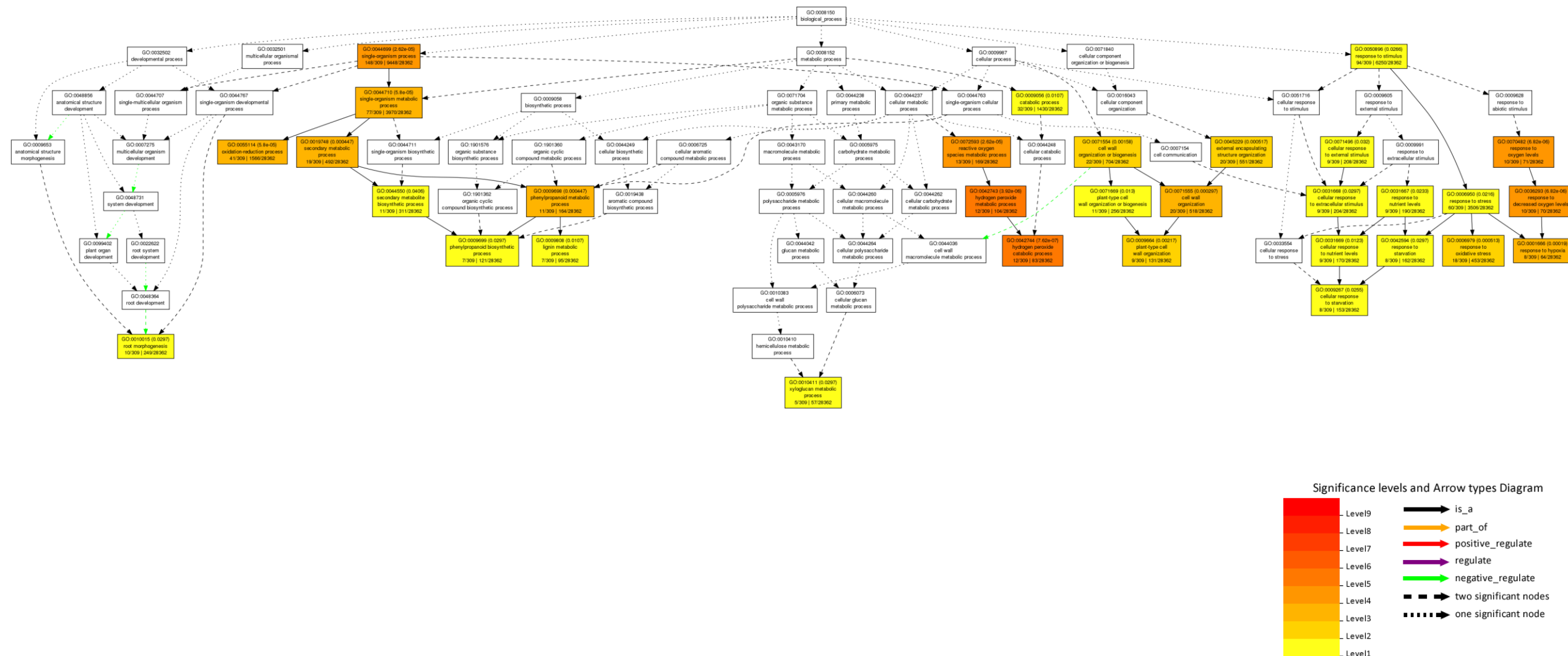


Figure S13. The enriched GO terms for upregulated genes after additional γ -irradiation of seeds from the accession VS-0 in comparison with the seeds of the same accession without acute irradiation (Molecular Function dictionary)

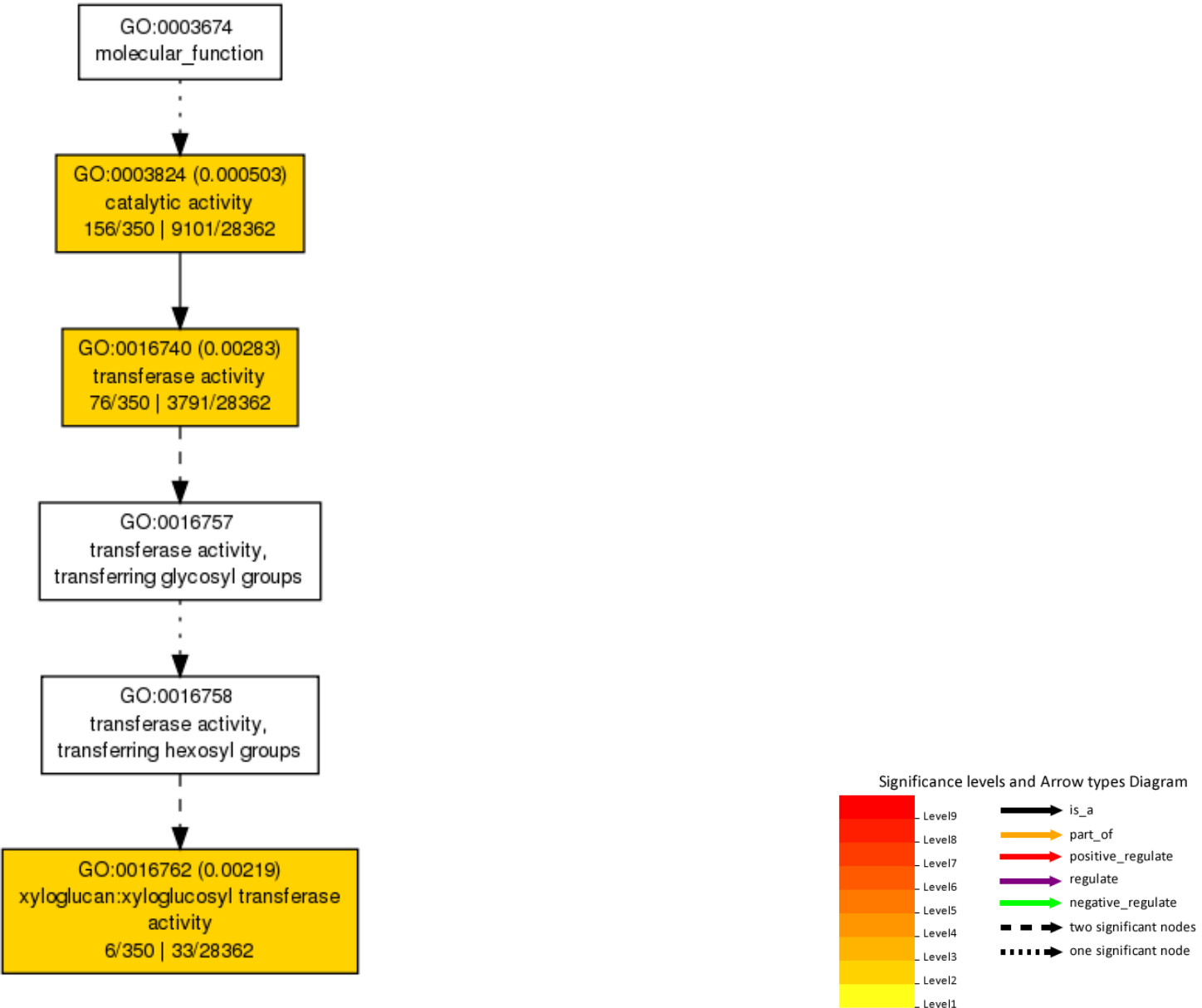


Figure S14. The enriched GO terms for downregulated genes after additional γ -irradiation of seeds from the accession VS-0 in comparison with the seeds of the same accession without acute irradiation (Molecular Function dictionary)

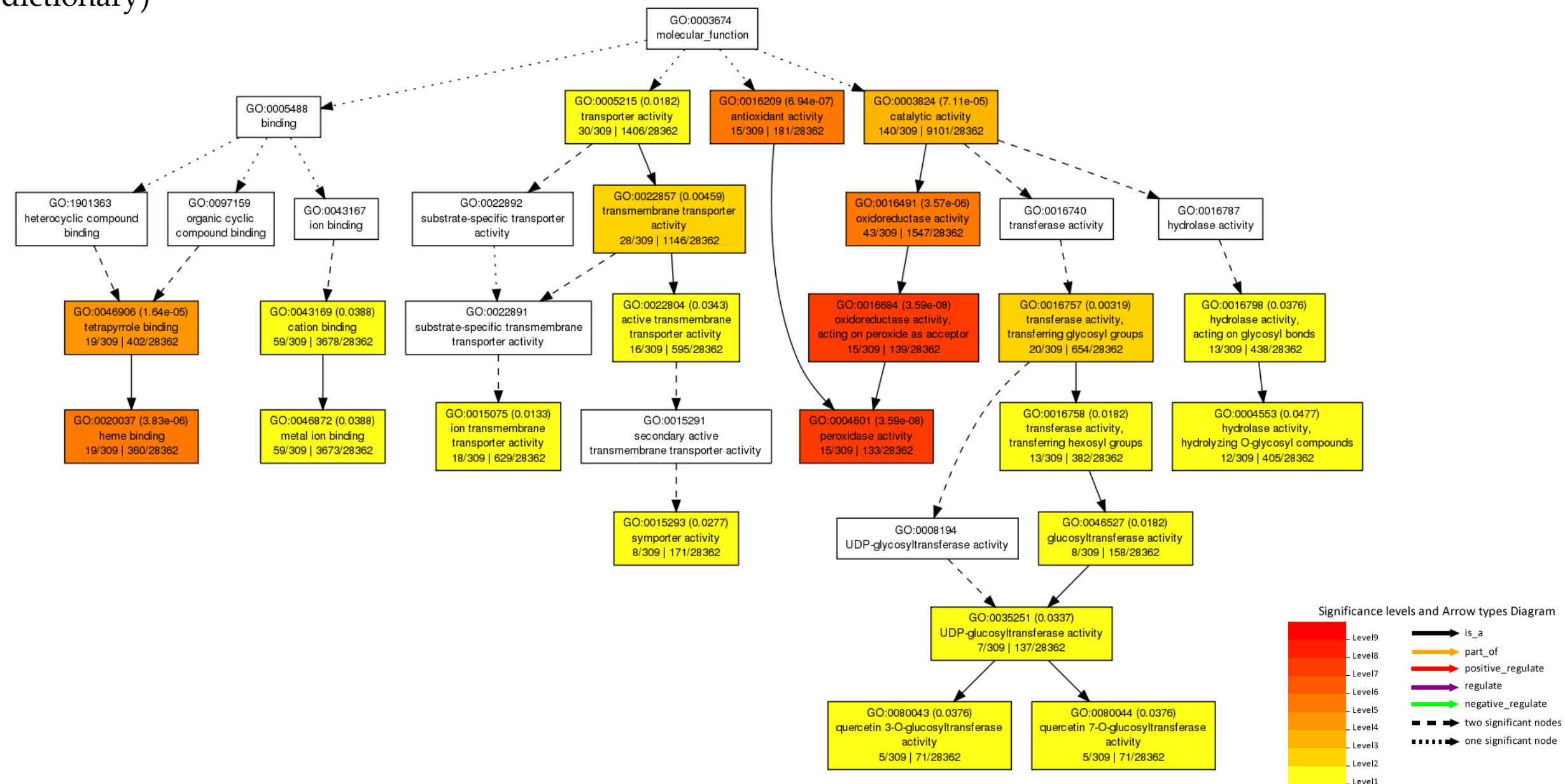
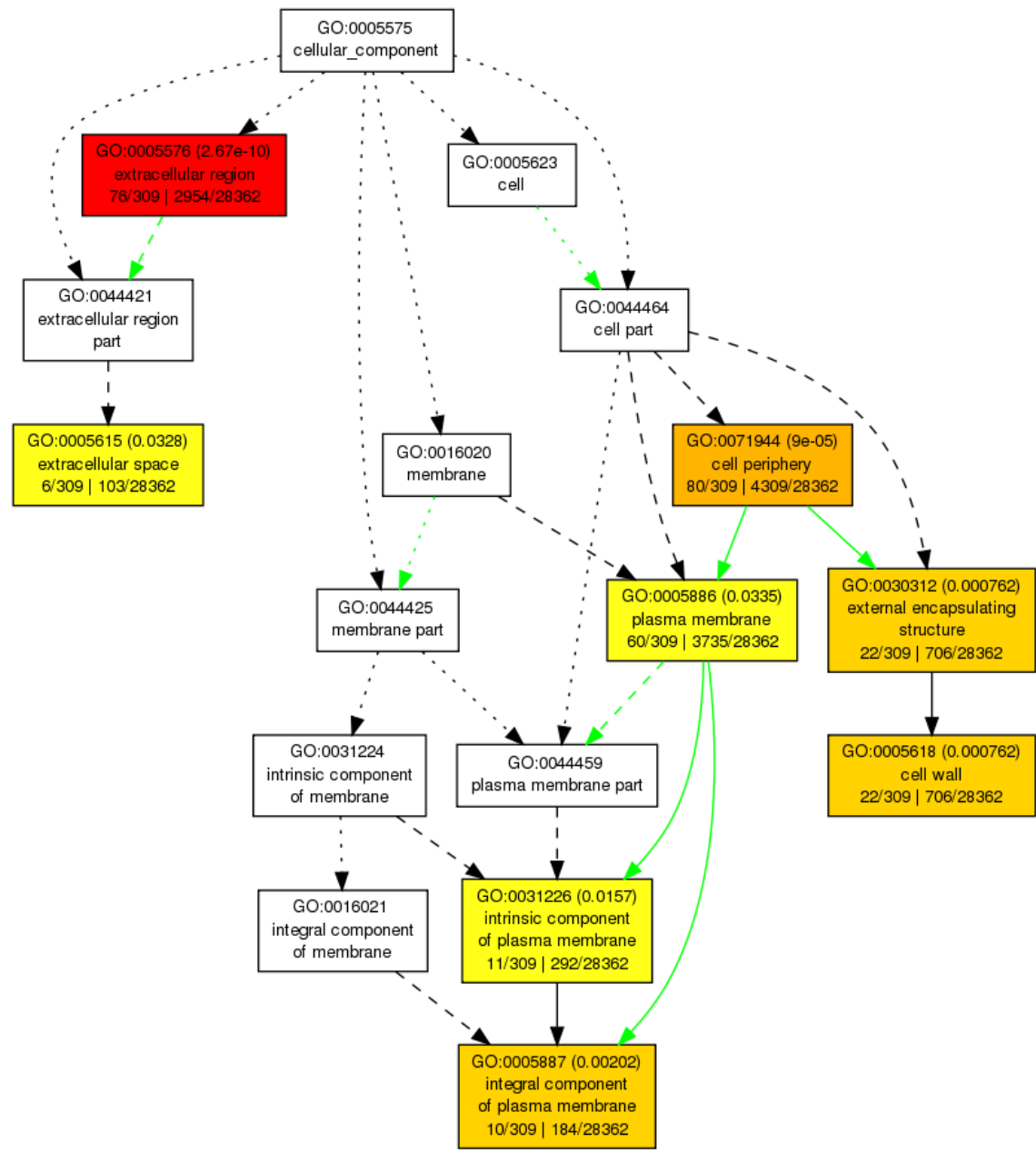


Figure S15. The enriched GO terms for upregulated genes after additional γ -irradiation of seeds from the accession VS-0 in comparison with the seeds of the same accession without acute irradiation (Cellular Component dictionary)



Significance levels and Arrow types Diagram

Level9	is_a
Level8	part_of
Level7	positive_regulate
Level6	regulate
Level5	negative_regulate
Level4	two significant nodes
Level3	one significant node
Level2	
Level1	

Figure S16. The enriched GO terms for downregulated genes after additional γ -irradiation of seeds from the accession VS-0 in comparison with the seeds of the same accession without acute irradiation (Cellular Component dictionary)

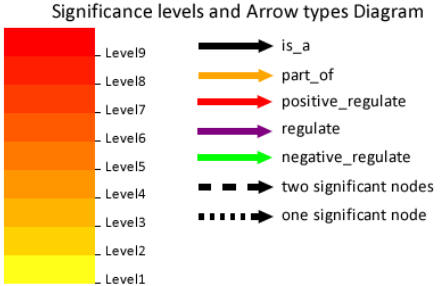
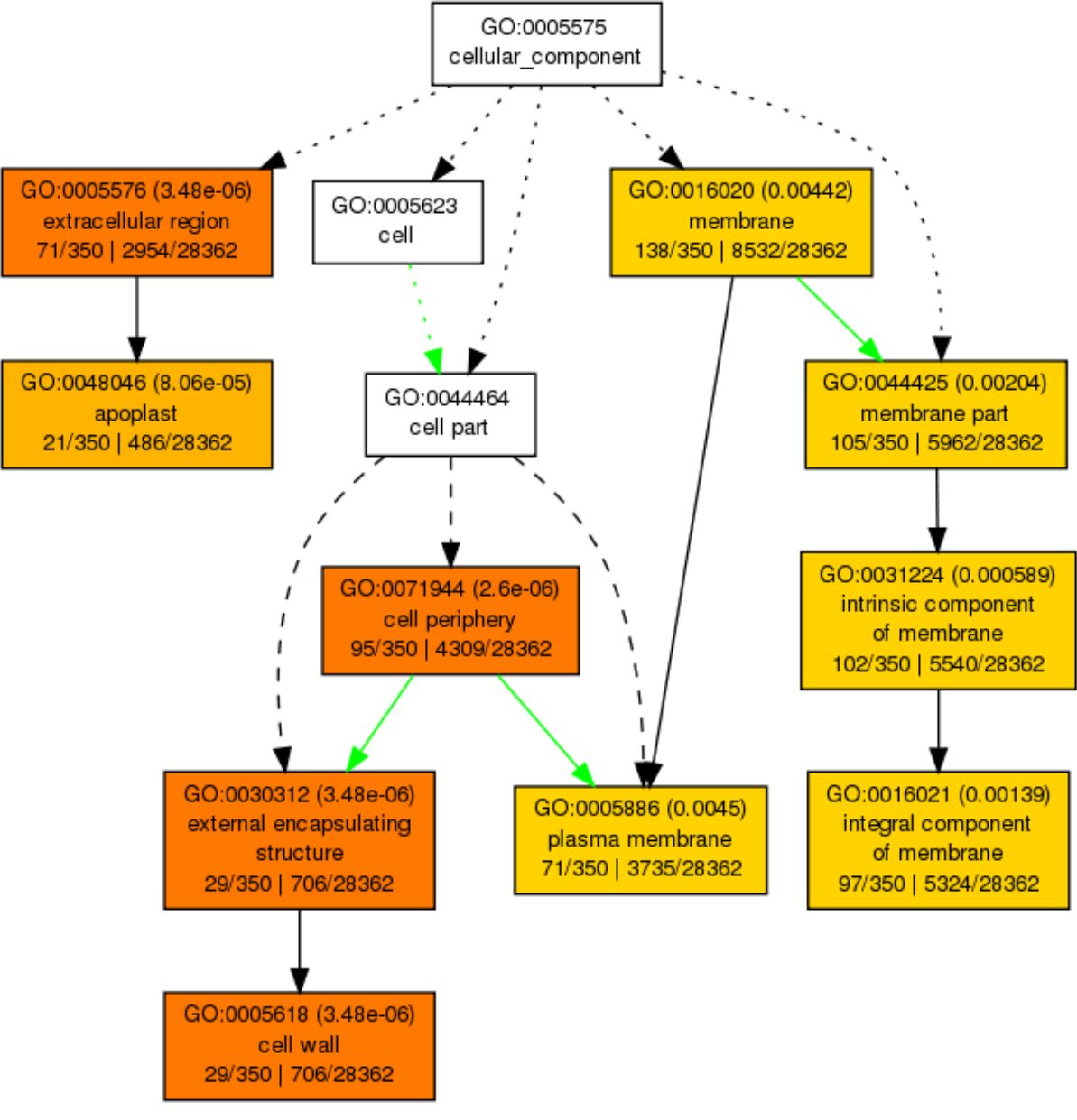


Figure S17. The enriched GO terms for upregulated genes after additional γ -irradiation of seeds from the accession Masa-0 in comparison with the seeds of the same accession without acute irradiation (Biological Process dictionary)

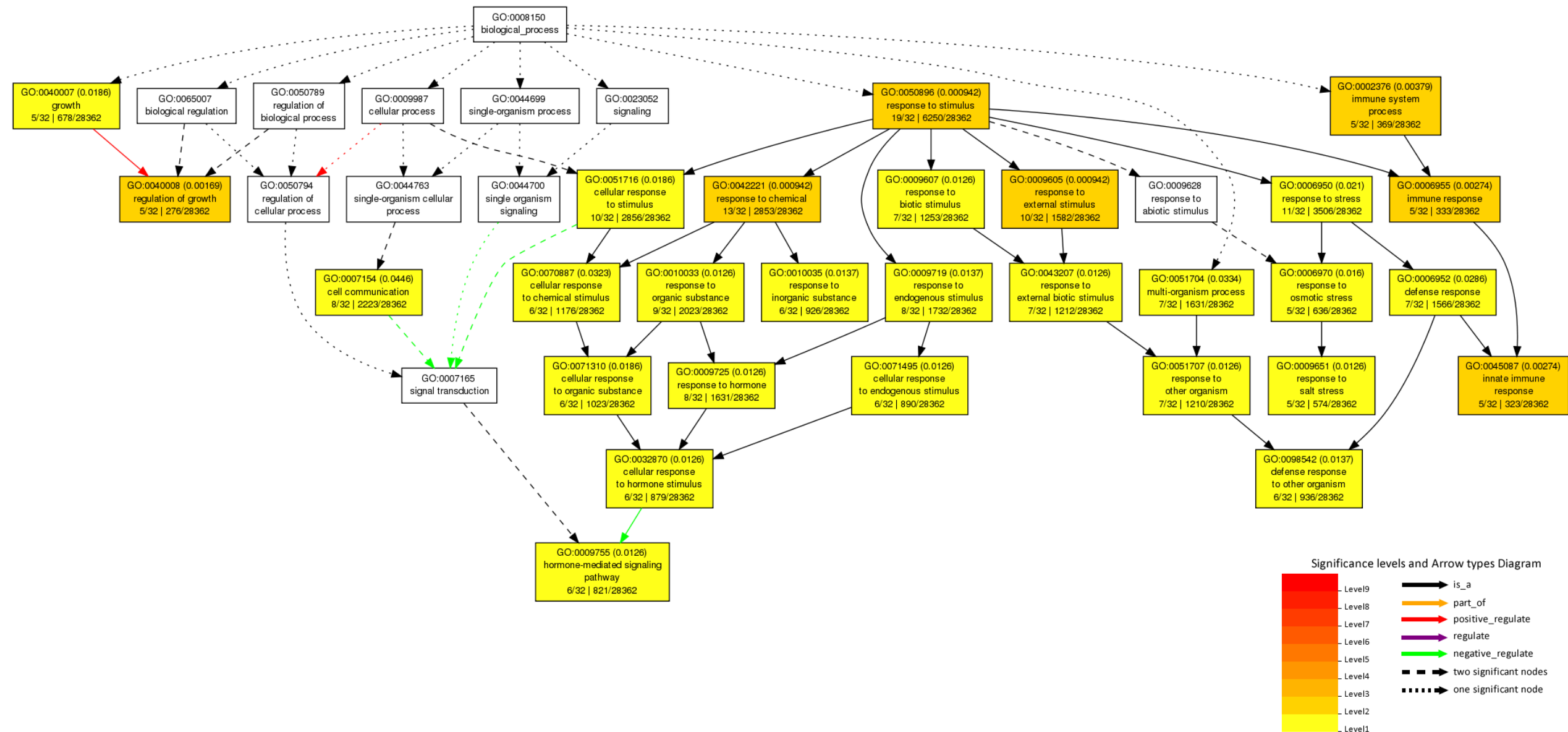


Figure S18. The enriched GO terms for upregulated genes after additional γ -irradiation of seeds from the accession Masa-0 in comparison with the seeds of the same accession without acute irradiation(Cellular Component dictionary)

