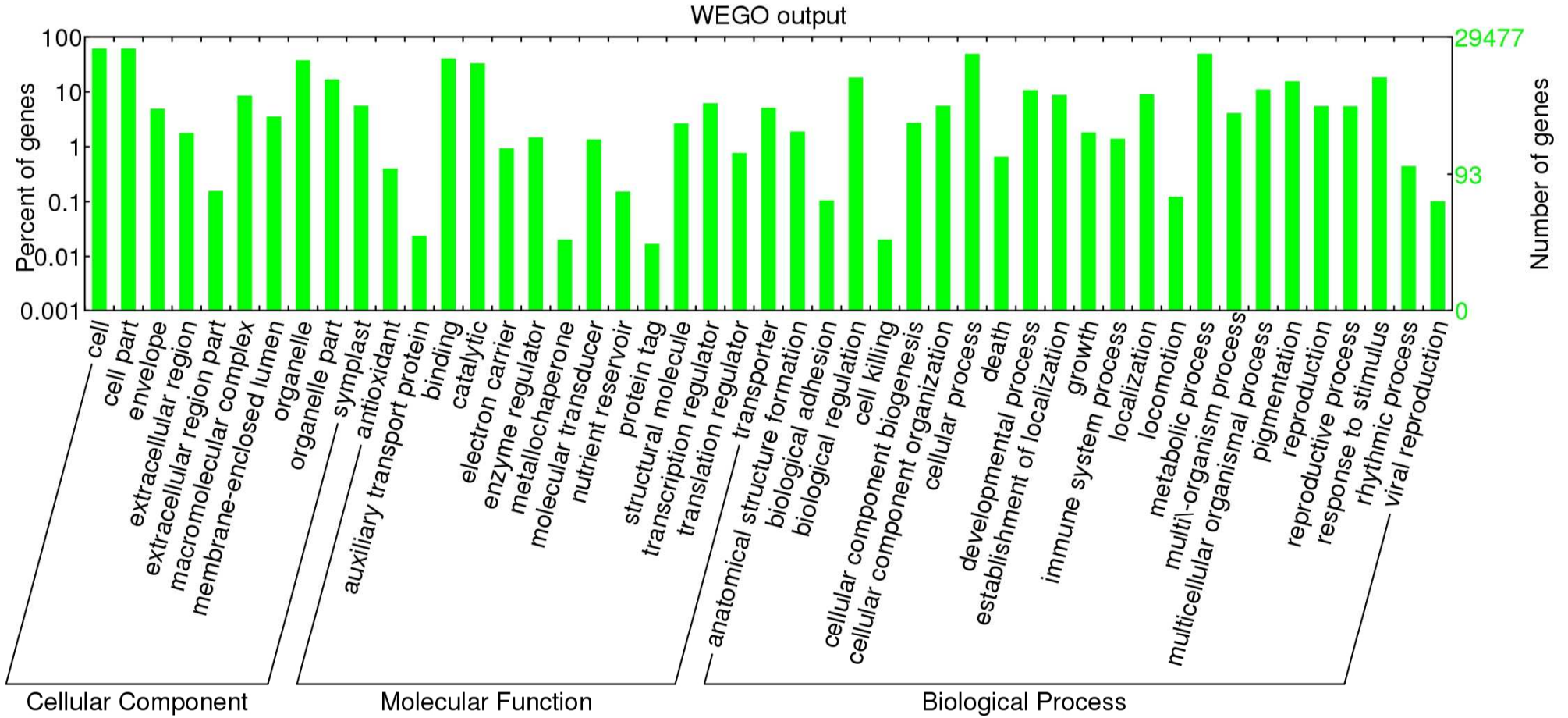


**Appendix A. Statistics of categorization and abundance of the tags. B4, B5, Y4, Y5 indicate 4 WAF black seed, 5 WAF black seed, 4 WAF yellow seed, and 5 WAF yellow seed, respectively.**

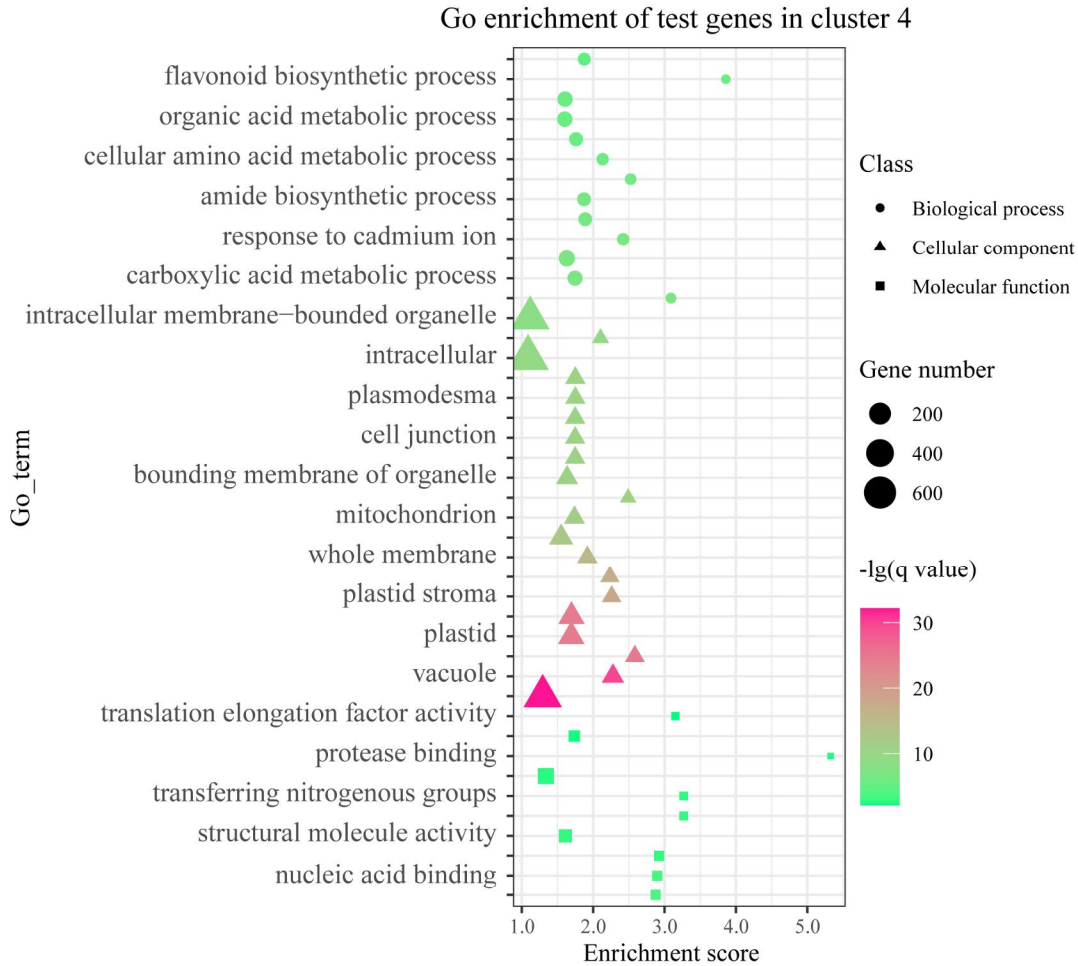
<b>Summary</b>	<b>B4</b>	<b>B5</b>	<b>Y4</b>	<b>Y5</b>
Raw Data (Total)	6156235	5953397	6071410	6178115
Raw Data (Distinct tag)	360723	326523	337696	294400
Clean Tag (Total)	5836916 (94.81%)	5624089 (94.47%)	5769161 (95.02%)	5886612 (95.28%)
Clean Tag (Distinct tag)	145069 (40.22%)	140671 (43.08%)	156726 (46.41%)	148018 (50.28%)
Total mapped	5588910 (95.75%)	5419353 (96.36%)	5479437 (94.98%)	5608590 (95.28%)
Multiple mapped	2993435 (51.28%)	2787418 (49.56%)	2927871 (50.75%)	2963090 (50.34%)
Uniquely mapped	2595475 (44.47%)	2631935 (46.8%)	2551566 (44.23%)	2645500 (44.94%)
Reads map to '+'	1359892 (23.3%)	1479374 (26.3%)	1310160 (22.71%)	1360765 (23.12%)
Reads map to '-'	1235583 (21.17%)	1152561 (20.49%)	1241406 (21.52%)	1284735 (21.82%)
Non-splice reads	2553854 (43.75%)	2585294 (45.97%)	2497659 (43.29%)	2596207 (44.1%)
Splice reads	41621 (0.71%)	46641 (0.83%)	53907 (0.93%)	49293 (0.84%)

Appendix B. GO classification of all the detected genes.



## Appendix C. GO enrichment of DEGs in cluster 4 and 9.

**A**



**B**

