

Supplementary Information

Effect of Plasma Activated Water (PAW) on Peanut Seed Germination, Seedling Biomass, Morphology, and Gene Expression

List of supplementary information

Supplementary Table S1. Alignment summary of RNA-sequencing

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Supplementary Figure S1. Total DEG detected in PAW40 and PAW80

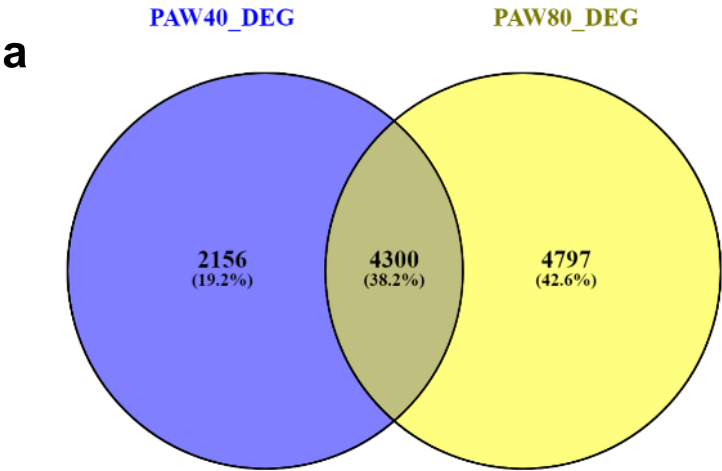
Supplementary Figure S2. GO analysis of downregulated genes in both PAW40 and PAW80

Supplementary Table S1

Sample	Reads	Mapped_Reads	Mapping_Rate
Control_1	50,832,722	45,221,534	88.9615
Control_2	46,560,100	42,768,001	91.8555
Control_3	38,899,430	35,562,474	91.4216
PAW40_1	38,929,954	35,897,590	92.2107
PAW40_2	50,834,184	47,021,268	92.4993
PAW40_3	40,961,994	37,267,020	90.9795
PAW80_1	31,203,070	28,711,333	92.0144
PAW80_2	39,532,170	35,659,941	90.2049
PAW80_3	36,099,886	32,144,708	89.0438
Average	41,539,279	37,805,985	91.0200

The rate at which the required readings for each sample are mapped to the reference genome.

Supplementary Figure S1. Total DEG detected in PAW40 and PAW80



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Comparison	UP Regulation	Down Regulation	Total
1. Control vs PAW40	1,833	3,595	5,428
2. Control vs PAW80	3,312	4,599	7,911

2fold & p-value<0.05 & FDR < 0.1 filtering

Supplementary Figure S2. GO analysis of downregulated genes in both PAW40 and PAW80

