

**Supplementary** information 2: Statistics related to the differential gene expression including supportive graphs, differentially expressed gene homology against a different database and their functional annotation based on COG database.

## ***De novo assembly of Agave sisalana* transcriptome in response to drought stress provides insight into the tolerance mechanisms**

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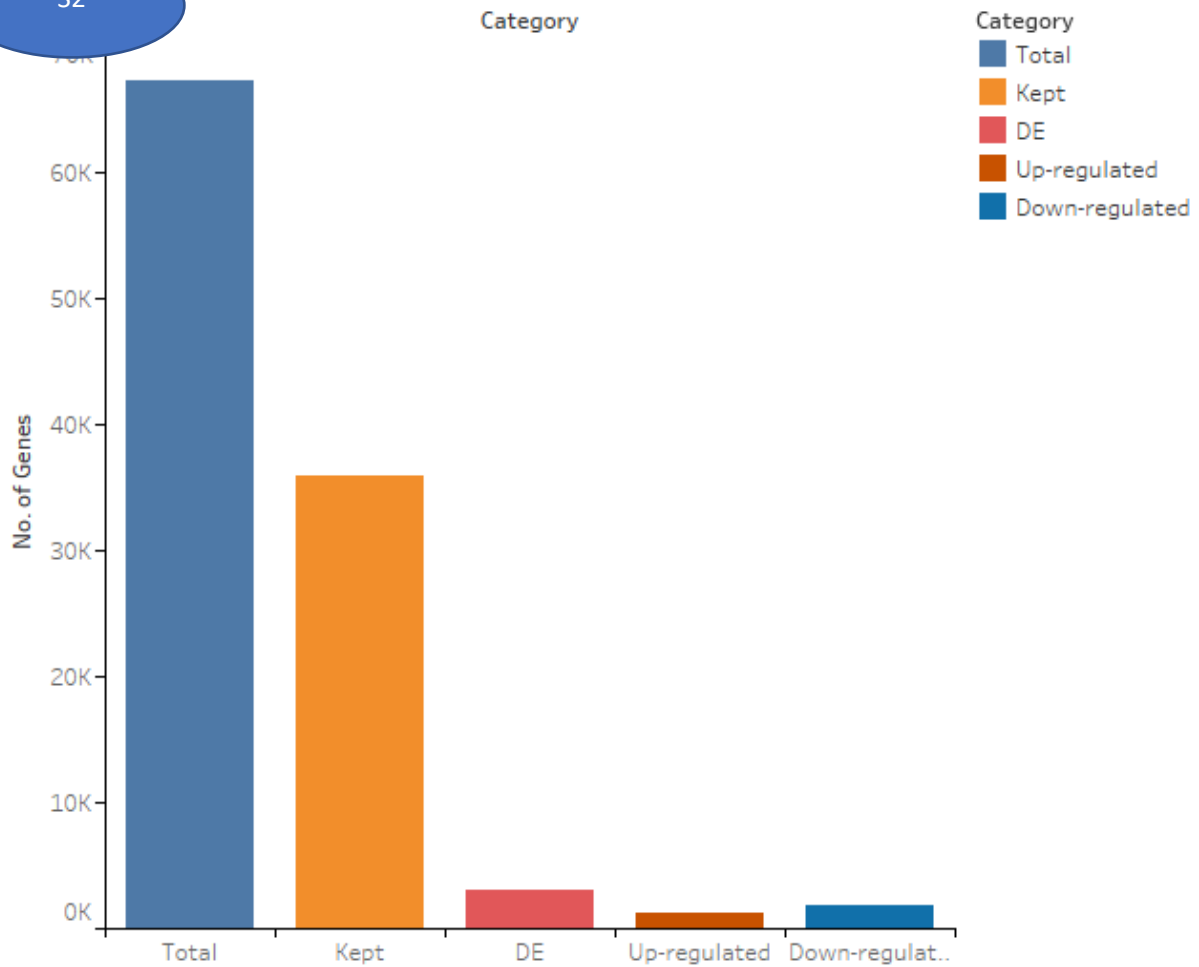
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S1

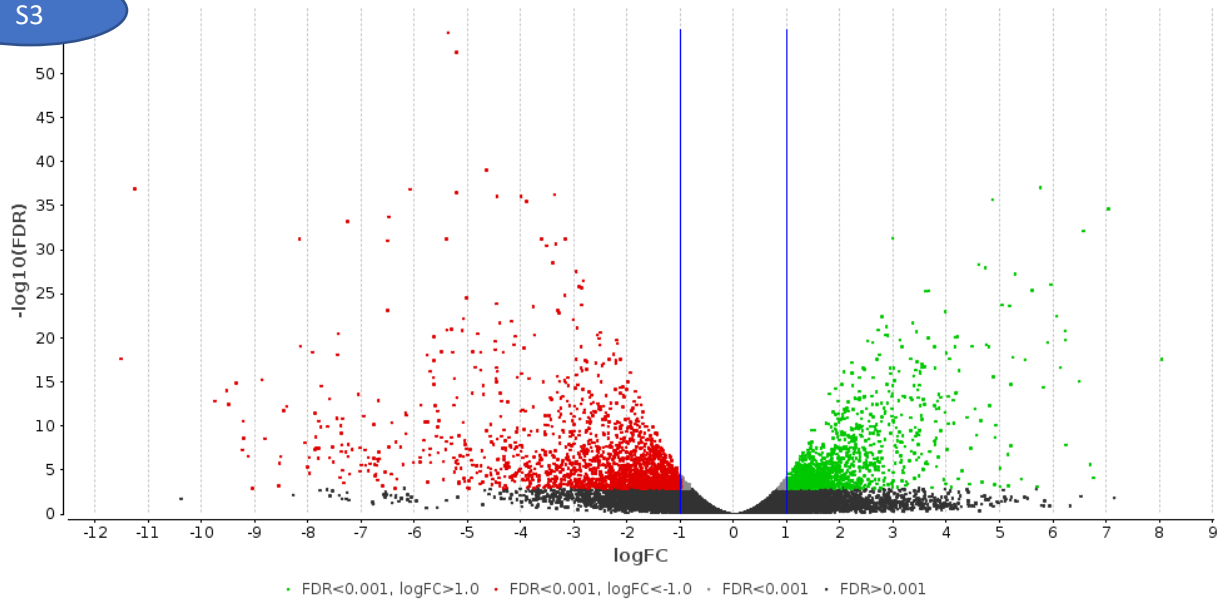
P-Value	Fold change	Total DEG	Up	Down
0.05	1	8678	3989	4689
0.05	2	2249	761	1488
0.01	1	4616	1842	2774
0.01	2	1861	586	1275
0.001	1	3059	1195	1864
0.001	2	1474	472	1002
0.0001	1	2067	803	1264
0.0001	2	1184	399	785

S2



S3

Volcano plot [counts\_results]



S4

MA plot [counts\_results]

