

Supplementary file 1

Table S1. Summary of homology search for sweet pitaya (*Stenocereus thurberi*) transcripts in different databases. Homologous sequences were predicted by an alignment through BLAST ²¹ to the protein databases listed in the table with an E value threshold of $< 1 \times 10^{-10}$ for the nr-NCBI database and an E value threshold of $< 1 \times 10^{-5}$ for the others.

Category	Number of transcripts (%)
Total transcripts	174449 (100)
With a hit to RefSeq	93993 (53.87)
With a hit to SwissProt	70381 (40.34)
With a hit to nr-NCBI	72162 (41.37)
With a hit to plantTFDB	45970 (26.35)
With a hit to iTAK-TR	58704 (33.65)
With a hit to iTAK-PK	48186 (27.65)
With a hit to TAIR (<i>Arabidopsis thaliana</i>)	81556 (46.75)
With a hit to ITAG (<i>Solanum lycopersicum</i>)	85331 (48.91)
With a hit to any of these databases mentioned above	98611 (56.52)
Without a hit to any of these databases mentioned above	75838 (43.47)