

**Table S1.** Oligonucleotide sequences used in this work.

Primer	Sequence	Gene Model	Utilization	Reference
1B	AGCACTTATGGGCTGTTC CAGCGCATCTTGAGTGTGT	Solyc01g088100	CAPS marker	This work
2A	ACAACGACTAGAACGGCTGG CCCATCACAACTAATGTCTAAGG	Solyc02g092570	CAPS marker	This work
2B	GCACAACATCCACCCTTCTT CAAGCACATACGATTGCAGA	Solyc02g093030	CAPS marker	This work
2C	GAAGGGTCGGGTACAAGGTAA CCACTCTCTTAGCCTGAATGG	Solyc02g094500	CAPS marker	This work
3A	GCTCTGAAGATCCTACACATGAAA TCCCATGCTCTTTCTGGAAC	Solyc03g019800	CAPS marker	This work
3B	CGGCGTAAGACAAACACGTTC GCATTATCAACTCATCTACCAGTCC	Solyc03g083830	CAPS marker	This work
3C	TTGGGAGATTAGCGTAAGGAG ATAGGAGCAACAAGGTACATGC	Solyc03g093610	CAPS marker	This work
6A	GCAGTGTGATGCTGGTGTTT AGGCGACTTGGTTGTCACTC	Solyc06g005060	CAPS marker	This work
6B	TGTTGTTTCCCTTGTTGCAG GCCAGTTTGAACCAGACCAG	Solyc06g009730	CAPS marker	This work
6C	AGCTAAGATGGAGGGAGATGC CCCGAGGTGTAACTGTAACG	Solyc06g048460	CAPS marker	This work
6D	AAAACACGGCGATGAGAAAT TTTCCTCTCCAATTCCAAT	Solyc06g060210	CAPS marker	This work
<i>FW2.2</i>	GGTGGTGTGATGTGGAGTGAGTG GGCAGATACATAGTGAGGAGGAAC	Solyc02g090730	CAPS marker	This work
<i>DWARF</i>	TGATCCATATTCGTTCAATCCA CGTGATTATGTTAGCGGGAAT	Solyc02g089730	CAPS marker	This work

<i>FW3.2</i>	GAGATAACGGGTAAATAGAGT TAGTTAGGATAGTTATAGTTTGC	Solyc03g114940	CAPS marker	This work
<i>EJ-2</i>	CACAATTCATGCTGGATCAGC CGGAGTAATCTATTAGATTCTGC	Solyc03g114840	CAPS marker	This work
<i>SP5G</i>	TAATTACGCAGTGACGAAGCA TTGACACAGAGTTCGAGAACG	Solyc05g053850	CAPS marker	This work
<i>SP</i>	GGGTTGAAGTTCATGGTGGT AGTGCCTGGAATGTCTGTGA	Solyc06g074350	CAPS marker	This work
<i>PTS</i>	AGGAAGTGATTGACCCATGC CCCCAAACACCACTATCTAAGC	Solyc06g072480	CAPS marker	This work
<i>ASAT1</i>	GGGAGGCCAAGACAAGTTGATA TGGAGAAGCAAAGTGAAGAAAATC	Solyc12g006330	qPCR	[12]
<i>ASAT2</i>	GACTCCATTTCGTCCATCTTTACTTC TTTGACTTCTTCTTCTCCTTTCTTA	Solyc04g012020	qPCR	
<i>ASAT3</i>	TTTCTTCCCTTTACCGTCTGAA TGAACAAGTGCTGAGGCAAC	Solyc11g067270	qPCR	This work
<i>ASAT4</i>	GGTGGTCGTGATGTCCCTAA GCCCTCCTTGTTAGCAGTTG	Solyc01g105580	qPCR	This work
<i>ASH1</i>	TCTTTCATCCAACGTGATTAACATTT ATCTACACCACAGAACACTACCAATA	Solyc05g051660	qPCR	This work
<i>ASH2</i>	GCGACCCACTGAATAGCATC GGCGGAGGATTTGTATTAGGA	Solyc05g051670	qPCR	This work
<i>ASH3</i>	CTACACTCAAATCAACTTCCATACCATA ATAGAACCGTTCGACTCGACCATTT	Solyc09g075710	qPCR	[51]
ABC transporter	TCCGAAGGGATGATGGAG GCAGAAGACCAAATACAGGGTAA	Solyc03g005860	qPCR	This work
<i>ACTIN</i>	GGTCCCTCTATTGTCCACAG TGCATCTCTGGTCCAGTAGGA	Solyc04g011500	qPCR	[71]

<i>EF1α</i>	AAGCCCATGGTTGTTGAGAC TTCTTGACAACACCCACAGC	Solyc06g005060	qPCR	[72]
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## References

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**Table S2.** Genomic coordinates (ITAG2.5) of the genetic variation from *S. galapagense* present at high frequencies ( $\geq 0.8$ ) in the *Get*-like phenotypical group of the MT-*Get* segregating population.

Chromosome	Corresponding Region (bp)
1	82,558,349 – 83,597,817
2	53,604,856 - 55,297,272
3	61,495,951 - 65,007,167
5	19,540,000 - 19,637,400
6	3,688 - 38,647,717

**Table S3.** GC-MS content of acyl groups in *S. galapagense*, MT-*Get* and Micro-Tom (MT).

RT	Acyl Groups Content	Genotypes		
		<i>S. galapagense</i>	MT- <i>Get</i>	MT
1	2-Methyl Butanoate	0.77 ± 0.30	0.00	0.00
2	3-Methyl Butanoate	2.86 ± 1.20	0.00	0.00
3	Methyl Decanoate	0.18 ± 0.07	0.00	0.00
4	Methyl Dodecanoate	2.92 ± 0.90	0.06 ± 0.00	0.00

Data are means (n =8) ± SD.