

Table S5. 42 FMT candidate genes and their functions

No.	Gene number	Gene function
1	<i>CsGy6G002700.1</i>	Unknown Protein
2	<i>CsGy6G002710.1</i>	Pentatricopeptide repeat-containing family protein
3	<i>CsGy6G002720.1</i>	Unknown Protein
4	<i>CsGy6G002730.1</i>	cucumber peeling cupredoxin-like
5	<i>CsGy6G002740.1</i>	probable serine/threonine-protein kinase At1g54610
6	<i>CsGy6G002750.1</i>	Probable ethanolamine kinase
7	<i>CsGy6G002760.1</i>	Regulator of Vps4 activity in the MVB pathway protein
8	<i>CsGy6G002770.1</i>	Somatic embryogenesis receptor kinase 1
9	<i>CsGy6G002780.1</i>	Uncharacterized protein
10	<i>CsGy6G002790.1</i>	UDP-glycosyltransferase 73C5-like
11	<i>CsGy6G002800.1</i>	Uncharacterized protein
12	<i>CsGy6G002810.1</i>	Uncharacterized protein
13	<i>CsGy6G002820.1</i>	Uncharacterized protein
14	<i>CsGy6G002830.1</i>	Uncharacterized protein
15	<i>CsGy6G002840.1</i>	polyadenylate-binding protein 1-B-binding protein
16	<i>CsGy6G002850.1</i>	Uncharacterized protein
17	<i>CsGy6G002860.1</i>	Uncharacterized protein
18	<i>CsGy6G002870.1</i>	polyadenylate-binding protein 1-B-binding protein
19	<i>CsGy6G002880.1</i>	Unknown Protein
20	<i>CsGy6G002890.1</i>	signal peptide peptidase-like 3
21	<i>CsGy6G002900.1</i>	Unknown Protein
22	<i>CsGy6G002910.1</i>	protein PRD1 isoform X1
23	<i>CsGy6G002920.1</i>	protein TIC 22-like, chloroplastic isoform X1
24	<i>CsGy6G002930.1</i>	Histone-lysine N-methyltransferase
25	<i>CsGy6G002940.1</i>	voltage-gated hydrogen channel 1
26	<i>CsGy6G002950.1</i>	Cysteine proteinase inhibitor
27	<i>CsGy6G002960.1</i>	Splicing factor U2af large subunit B
28	<i>CsGy6G002970.1</i>	protein ROOT PRIMORDIUM DEFECTIVE 1
29	<i>CsGy6G002980.1</i>	MACPF domain-containing protein At4g24290-like
30	<i>CsGy6G002990.1</i>	Protein TRIGALACTOSYLDIACYLGLYCEROL 1, chloroplastic
31	<i>CsGy6G003000.1</i>	sn1-specific diacylglycerol lipase beta isoform X4
32	<i>CsGy6G003010.1</i>	Unknown Protein
33	<i>CsGy6G003020.1</i>	Vesicle transport protein
34	<i>CsGy6G003030.1</i>	Gamma-glutamylcyclotransferase
35	<i>CsGy6G003040.1</i>	ATP-dependent helicase/nuclease subunit A
36	<i>CsGy6G003050.1</i>	clathrin interactor EPSIN 3-like isoform X2
37	<i>CsGy6G003060.1</i>	STRUBBELIG-receptor family 5
38	<i>CsGy6G003070.1</i>	hypothetical protein (DUF1639)
39	<i>CsGy6G003080.1</i>	membrane-associated kinase regulator
40	<i>CsGy6G003090.1</i>	Glycoside hydrolase
41	<i>CsGy6G003100.1</i>	3,4-dihydroxy-2-butanone 4-phosphate synthase
42	<i>CsGy6G003110.1</i>	adenylate isopentenyltransferase-like