

A. aurantia

MaSp1a	GGA	GGL	GGQ	GGR	GGY	GLG	GRG	GYG	GQG	GPG
	194	78	123	0	78	111	45	104	246	1
GGA	X	0	0	0	0	0	0	0	94	0
GGL	0	X	0	0	0	156	32	45	1	0
GGQ	0	0	X	0	0	33	0	0	283	0
GGR	0	0	0	X	0	0	0	0	0	0
GGY	0	0	0	0	X	0	0	156	76	1
GAG	x	x	x	x	x	x	x	x	x	x
GLG	0	156	33	0	0	X	0	0	0	0
GRG	0	32	0	0	0	0	X	0	0	0
GYG	0	45	0	0	156	0	0	X	26	0
GQG	94	1	283	0	76	0	0	26	X	0
GPG	0	0	0	0	1	0	0	0	0	X

[illegible]

GLG	47	174	0	41	0	X	0	0	0	0
GRG	0	0	0	88	0	0	X	0	0	0
GYG	0	0	0	0	0	0	0	X	46	0
GQG	27	0	0	0	0	0	0	46	X	0
GPG	1	0	0	0	0	0	0	0	0	X

MaSp2.1a	GGA	GGL	GGQ	GGR	GGY	GLG	GRG	GYG	GQG	GPG
	20	1	71	1	50	0	5	52	87	164
GGA	X	0	0	0	0	0	0	0	0	17
GGL	0	X	0	0	0	0	0	0	0	0
GGQ	0	0	X	0	0	0	0	0	153	29
GGR	0	0	0	X	0	0	2	0	0	1
GGY	0	0	0	0	X	0	4	100	0	45
GAG	x	x	x	x	x	x	x	x	x	x
GLG	0	0	0	0	0	X	0	0	0	0
GRG	0	0	0	2	4	0	X	0	4	0
GYG	0	0	0	0	100	0	0	X	0	0
GQG	0	0	153	0	0	0	4	0	X	8
GPG	17	0	29	1	45	0	0	0	8	X

MaSp2.1b	GGA	GGL	GGQ	GGR	GGY	GLG	GRG	GYG	GQG	GPG
	77	1	3	0	120	3	<u>1</u>	136	4	338
GGA	X	0	0	0	0	0	0	0	0	75
GGL	0	x	0	0	0	0	0	0	0	0

GGQ	0	0	x	0	0	0	0	0	6	2
GGR	0	0	0	x	0	0	0	0	0	0
GGY	0	0	0	0	x	2	0	240	0	67
GAG	x	x	x	x	x	x	x	x	x	x
GLG	0	0	0	0	2	x	0	0	0	0
GRG	0	0	0	0	0	0	x	1	0	0
GYG	0	0	0	0	240	0	1	x	1	120
GQG	0	0	6	0	0	0	0	1	x	1
GPG	75	0	2	0	67	0	0	120	1	x

MaSp2.2a	GGA	GGL	GGQ	GGR	GGY	GLG	GRG	GYG	GQG	GPG
	87	1	113	1	4	0	0	4	48	302
GGA	x	0	0	0	0	0	0	0	1	73
GGL	0	x	0	0	0	0	0	0	0	0
GGQ	0	0	x	0	0	0	0	0	90	44
GGR	0	0	0	x	0	0	0	0	0	0
GGY	0	0	0	0	x	0	0	8	1	0
GAG	x	x	x	x	x	x	x	x	x	x
GLG	0	0	0	0	0	x	0	0	0	0
GRG	0	0	0	0	0	0	x	0	0	0
GYG	0	0	0	0	8	0	0	x	1	3
GQG	1	0	90	0	1	0	0	1	x	0
GPG	73	0	44	0	0	0	0	3	0	x

MaSp2.2b	GGA	GGL	GGQ	GGR	GGY	GLG	GRG	GYG	GQG	GPG
	72	1	136	0	72	1	4	74	90	374
GGA	x	0	0	0	0	0	0	0	0	71
GGL	0	x	0	0	0	0	0	0	0	0
GGQ	0	0	x	0	0	0	0	0	172	86
GGR	0	0	0	x	0	0	0	0	0	0
GGY	0	0	0	0	x	0	0	144	0	0
GAG	x	x	x	x	x	x	x	x	x	x
GLG	0	0	0	0	0	x	0	0	0	0
GRG	0	0	0	0	0	0	x	0	0	0
GYG	0	0	0	0	144	0	0	x	2	72
GQG	0	0	172	0	0	0	0	2	x	0
GPG	71	0	86	0	0	0	0	72	0	x

MaSp2.2c	GGA	GGL	GGQ	GGR	GGY	GLG	GRG	GYG	GQG	GPG
	48	1	133	0	71	0	0	71	87	326
GGA	x	0	0	0	0	0	0	0	0	48
GGL	0	x	0	0	0	0	0	0	0	0
GGQ	0	0	x	0	0	0	0	0	168	80
GGR	0	0	0	x	0	0	0	0	0	0
GGY	0	0	0	0	x	0	0	142	1	0
GAG	x	x	x	x	x	x	x	x	x	x
GLG	0	0	0	0	0	x	0	0	0	0

GRG	0	0	0	0	0	0	x	0	0	0
GYG	0	0	0	0	142	0	0	x	1	64
GQG	0	0	168	0	1	0	0	1	x	0
GPG	48	0	80	0	0	0	0	64	0	x

MaSp2.2d	GGA	GGL	GGQ	GGR	GGY	GLG	GRG	GYG	GQG	GPG
	47	1	134	0	70	0	1	70	86	337
GGA	x	0	0	0	0	0	0	0	0	47
GGL	0	x	0	0	0	0	0	0	0	0
GGQ	0	0	x	0	0	0	1	0	166	83
GGR	0	0	0	x	0	0	0	0	0	0
GGY	0	0	0	0	x	0	0	140	1	0
GAG	x	x	x	x	x	x	x	x	x	x
GLG	0	0	0	0	0	x	0	0	0	0
GRG	0	0	1	0	0	0	x	0	0	1
GYG	0	0	0	0	140	0	0	x	1	69
GQG	0	0	166	0	1	0	0	1	x	0
GPG	47	0	83	0	0	0	1	69	0	x

MaSp2.2e	GGA	GGL	GGQ	GGR	GGY	GLG	GRG	GYG	GQG	GPG
	28	1	80	1	48	0	0	50	55	220
GGA	x	0	0	0	0	0	0	0	0	28
GGL	0	x	0	0	0	0	0	0	0	0
GGQ	0	0	x	0	0	0	0	0	104	44

GGR	0	0	0	x	0	0	0	0	0	0
GGY	0	0	0	0	x	0	0	96	1	0
GAG	x	x	x	x	x	x	x	x	x	x
GLG	0	0	0	0	0	x	0	0	0	0
GRG	0	0	0	0	0	0	x	0	0	0
GYG	0	0	0	0	96	0	0	x	1	49
GQG	0	0	104	0	1	0	0	1	x	1
GPG	28	0	44	0	0	0	0	49	1	x

MaSp3a	GGA	GGL	GGQ	GGR	GGY	GLG	GRG	GYG	GQG	GPG
	47	3	13	42	28	20	24	69	40	65
GGA	x	0	0	0	0	11	1	0	2	20
GGL	0	x	0	0	0	0	0	0	0	2
GGQ	0	0	x	0	0	0	0	4	20	0
GGR	0	0	0	x	0	0	47	0	2	0
GGY	0	0	0	0	x	0	0	56	0	0
GAG	x	x	x	x	x	x	x	x	x	x
GLG	11	0	0	0	0	x	0	0	0	1
GRG	1	0	0	47	0	0	x	1	0	0
GYG	0	0	4	0	56	0	1	x	19	4
GQG	2	0	20	2	0	0	0	19	x	0
GPG	20	2	0	0	0	1	0	4	0	x

MaSp3b	GGA	GGL	GGQ	GGR	GGY	GLG	GRG	GYG	GQG	GPG
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GLG	0	0	0	0	0	x	0	0	0	0
GRG	21	0	0	1	19	0	x	38	0	0
GYG	0	0	21	0	283	0	38	x	78	0
GQG	134	0	186	0	119	0	0	78	x	0
GPG	0	0	0	0	0	0	0	0	0	x

MaSp2	GGA	GGL	GGQ	GGR	GGY	GLG	GRG	GYG	GQG	GPG
	95	0	40	1	13	1	0	139	24	239
GGA	x	0	0	0	0	0	0	0	0	43
GGL	0	x	0	0	0	0	0	0	0	0
GGQ	0	0	x	0	0	0	0	28	2	9
GGR	0	0	0	x	0	0	0	0	0	0
GGY	0	0	0	0	x	0	0	26	0	12
GAG	x	x	x	x	x	x	x	x	x	x
GLG	0	0	0	0	0	x	0	1	0	0
GRG	0	0	0	0	0	0	x	0	0	0
GYG	0	0	28	0	26	1	0	x	18	104
GQG	0	0	2	0	0	0	0	18	x	0
GPG	43	0	9	0	12	0	0	104	0	x