S_6 (mod 3)

	blocks	defect	matrix
$3.G:$	1 2	3 1	13×5 3×2
$6.G:$	3	3	10×2

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	φ_{2+}	$\varphi_{4,0}$	$\varphi_{4,1}$
$1_1 = \chi_{1,0}$	1	.	.	.	.
$1_2 = \chi_{1,1}$	.	1	.	.	.
$5_1 = \chi_{2,0}$	1	.	.	1	.
$5_2 = \chi_{2,1}$	.	1	.	.	1
$5_3 = \chi_{3,0}$	1	.	.	.	1
$5_4 = \chi_{3,1}$	.	1	.	1	.
$16_1 = \chi_{4+}$	1	1	1	1	1
$10_1 = \chi_{7,0}$	.	.	1	1	.
$10_2 = \chi_{7,1}$	.	.	1	.	1
$6_1 = \chi_{14+}$	.	.	1	.	.
$6_2 = \chi_{15+}$	.	.	1	.	.
$12_1 = \chi_{16+}$	2	2	.	1	1
$30_1 = \chi_{18+}$	1	1	2	2	2

$\varphi_{1,0} = 1_1$
$\varphi_{1,1} = 1_2$
$\varphi_{2+} = 6_1$
$\varphi_{4,0} = 4_1$
$\varphi_{4,1} = 4_2$

Block 2_1, 2_2:	$\varphi_{5,0}$	$\varphi_{5,1}$
$9_1 = \chi_{6,0}$	1	.
$9_2 = \chi_{6,1}$	.	1
$18_1 = \chi_{17+}$	1	1

$\varphi_{5,0} = 9_1$
$\varphi_{5,1} = 9_2$

Block 3:	φ_{6+}	φ_{8+}
$4_1 = \chi_{8,0}$	1	.
$4_2 = \chi_{8,1}$	1	.
$4_3 = \chi_{9,0}$	1	.
$4_4 = \chi_{9,1}$	1	.
$16_2 = \chi_{10+}$	1	1
$20_1 = \chi_{12+}$	2	1
$12_2 = \chi_{19+}$	.	1
$12_3 = \chi_{20+}$	.	1
$24_1 = \chi_{21+}$	3	1
$24_2 = \chi_{22+}$	3	1

$\varphi_{6+} = 4_3$
$\varphi_{8+} = 12_1$