$G_2(5) \pmod 3$

	blocks	defect	matrix
$G:$	1	3	14×7
	2	2	9×4
	3	0	$1890_1 = \chi_{11}, \varphi_8$
	4	1	3×2
	5	1	3×2
	6	0	$12096_1 = \chi_{21}, \varphi_{14}$
	7	0	$12096_2 = \chi_{22}, \varphi_{15}$

	blocks	defect	matrix
	8	0	$12096_3 = \chi_{23}, \varphi_{16}$
	9	0	$12096_4 = \chi_{24}, \varphi_{17}$
	10	0	$12096_5 = \chi_{25}, \varphi_{18}$
	11	1	3×1
	12	1	3×1
	13	1	3×1

Block 1:	φ_1	φ_2	φ_3	φ_5	φ_6	φ_7	φ_{19}
$1_1 = \chi_1$	1	.	.	.	.	.	.
$124_1 = \chi_2$	.	1	.	.	.	.	.
$280_1 = \chi_3$	.	.	1	.	.	.	.
$930_1 = \chi_5$	2	1	.	1	.	.	.
$960_1 = \chi_6$	.	.	.	.	1	.	.
$960_2 = \chi_7$	.	.	.	.	1	.	.
$1085_1 = \chi_8$	1	1	.	.	1	.	.
$1085_2 = \chi_9$	1	.	1	1	.	.	.
$1240_1 = \chi_{10}$	.	.	.	.	.	1	.
$2480_1 = \chi_{12}$	.	.	1	.	1	1	.
$2604_2 = \chi_{14}$	.	.	2	1	.	1	.
$13020_2 = \chi_{27}$	.	.	.	1	.	.	1
$15500_1 = \chi_{29}$	.	1	.	.	2	1	1
$15625_1 = \chi_{38}$	1	1	1	1	1	1	1

$\varphi_1 = 1_1$
$\varphi_2 = 124_1$
$\varphi_3 = 280_1$
$\varphi_5 = 804_1$
$\varphi_6 = 960_1$
$\varphi_7 = 1240_1$
$\varphi_{19} = 12216_1$

Block 2:	φ_4	φ_9	φ_{10}	φ_{13}
$651_1 = \chi_4$	1	.	.	.
$2604_1 = \chi_{13}$	.	1	.	.
$2604_3 = \chi_{15}$	.	.	1	.
$3255_1 = \chi_{16}$	1	.	1	.
$3255_2 = \chi_{17}$	1	1	.	.
$10416_1 = \chi_{20}$	.	.	.	1
$13020_1 = \chi_{26}$	.	1	.	1
$13020_3 = \chi_{28}$	.	.	1	1
$16275_1 = \chi_{39}$	1	1	1	1

$\varphi_4 = 651_1$
$\varphi_9 = 2604_1$
$\varphi_{10} = 2604_2$
$\varphi_{13} = 10416_1$

Block 4:	φ_{11}	φ_{21}
$3906_1 = \chi_{18}$	1	.
$15624_2 = \chi_{31}$	.	1
$19530_1 = \chi_{43}$	1	1

$\varphi_{11} = 3906_1$
$\varphi_{21} = 15624_2$

Block 5:	φ_{12}	φ_{23}
$3906_2 = \chi_{19}$	1	.
$15624_6 = \chi_{35}$	.	1
$19530_2 = \chi_{44}$	1	1

$\varphi_{12} = 3906_2$
$\varphi_{23} = 15624_4$

Block 11:	φ_{20}
$15624_1 = \chi_{30}$	1
$15624_3 = \chi_{32}$	1
$15624_4 = \chi_{33}$	1

$\varphi_{20} = 15624_1$

Block 12:	φ_{22}
$15624_5 = \chi_{34}$	1
$15624_7 = \chi_{36}$	1
$15624_8 = \chi_{37}$	1

$\varphi_{22} = 15624_3$

Block 13:	φ_{24}
$17856_1 = \chi_{40}$	1
$17856_2 = \chi_{41}$	1
$17856_3 = \chi_{42}$	1

$\varphi_{24} = 17856_1$