$S_4(4)$ (mod 5)

	blocks	defect	matrix
$G:$	1	2	14×5
	2	0	$50_1 = \chi_5, \varphi_5$
	3	1	4×2
	4	1	4×2
	5	0	$225_1 = \chi_{17}, \varphi_9$
	6	0	$225_2 = \chi_{18}, \varphi_{10}$
	7	0	$225_3 = \chi_{19}, \varphi_{11}$
	8	0	$225_4 = \chi_{20}, \varphi_{12}$

Block 1:	φ_1	φ_2	φ_3	φ_4	φ_8
$1_1 = \chi_1$	1	.	.	.	.
$18_1 = \chi_2$	.	1	.	.	.
$34_1 = \chi_3$	1	.	1	.	.
$34_2 = \chi_4$	1	.	.	1	.
$51_1 = \chi_6$	.	1	.	1	.
$51_2 = \chi_7$	.	1	.	1	.
$51_3 = \chi_8$	.	1	1	.	.
$51_4 = \chi_9$	.	1	1	.	.
$153_1 = \chi_{12}$	.	.	.	.	1
$204_1 = \chi_{13}$	.	1	.	1	1
$204_2 = \chi_{14}$	.	1	.	1	1
$204_3 = \chi_{15}$	.	1	1	.	1
$204_4 = \chi_{16}$	.	1	1	.	1
$256_1 = \chi_{25}$	1	2	1	1	1

$\varphi_1 = 1_1$
$\varphi_2 = 18_1$
$\varphi_3 = 33_1$
$\varphi_4 = 33_2$
$\varphi_8 = 153_1$

Block 3:	φ_6	φ_{13}
$85_1 = \chi_{10}$	1	.
$255_1 = \chi_{21}$	.	1
$255_2 = \chi_{22}$	.	1
$340_1 = \chi_{26}$	1	1

$\varphi_6 = 85_1$
$\varphi_{13} = 255_1$

Block 4:	φ_7	φ_{14}
$85_2 = \chi_{11}$	1	.
$255_3 = \chi_{23}$	.	1
$255_4 = \chi_{24}$	.	1
$340_2 = \chi_{27}$	1	1

$\varphi_7 = 85_2$
$\varphi_{14} = 255_2$