

$${}^3D_4(2).3 \pmod{3}$$

	blocks	defect	matrix
$G :$	1	5	$38 \times 7$
	2	1	$3 \times 1$
	3	1	$3 \times 2$
	4	1	$3 \times 1$
	5	0	$6318_1 = \chi_{18+}, \varphi_{13+}$
	6	0	$11907_1 = \chi_{31+}, \varphi_{19+}$

<b>Block 1:</b>	$\varphi_{1,0}$	$\varphi_{2,0}$	$\varphi_{3,0}$	$\varphi_{4,0}$	$\varphi_{9,0}$	$\varphi_{11,0}$	$\varphi_{12,0}$	
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	
$1_2 = \chi_{1,1}$	1	.	.	.	.	.	.	
$1_3 = \chi_{1,2}$	1	.	.	.	.	.	.	
$26_1 = \chi_{2,0}$	1	1	.	.	.	.	.	
$26_2 = \chi_{2,1}$	1	1	.	.	.	.	.	
$26_3 = \chi_{2,2}$	1	1	.	.	.	.	.	
$52_1 = \chi_{3,0}$	.	.	1	.	.	.	.	
$52_2 = \chi_{3,1}$	.	.	1	.	.	.	.	
$52_3 = \chi_{3,2}$	.	.	1	.	.	.	.	
$196_1 = \chi_{4,0}$	.	.	.	1	.	.	.	
$196_2 = \chi_{4,1}$	.	.	.	1	.	.	.	
$196_3 = \chi_{4,2}$	.	.	.	1	.	.	.	
$273_1 = \chi_{5,0}$	.	1	1	1	.	.	.	
$273_2 = \chi_{5,1}$	.	1	1	1	.	.	.	
$273_3 = \chi_{5,2}$	.	1	1	1	.	.	.	
$468_1 = \chi_{10,0}$	2	1	.	.	1	.	.	$\varphi_{1,0} = 1_1$
$468_2 = \chi_{10,1}$	2	1	.	.	1	.	.	$\varphi_{2,0} = 25_1$
$468_3 = \chi_{10,2}$	2	1	.	.	1	.	.	$\varphi_{3,0} = 52_1$
$637_1 = \chi_{11,0}$	.	.	.	1	1	.	.	$\varphi_{4,0} = 196_1$
$637_2 = \chi_{11,1}$	.	.	.	1	1	.	.	$\varphi_{9,0} = 441_1$
$637_3 = \chi_{11,2}$	.	.	.	1	1	.	.	$\varphi_{11,0} = 1222_1$
$1274_1 = \chi_{13,0}$	.	.	1	.	.	1	.	$\varphi_{12,0} = 1963_1$
$1274_2 = \chi_{13,1}$	.	.	1	.	.	1	.	
$1274_3 = \chi_{13,2}$	.	.	1	.	.	1	.	
$1664_1 = \chi_{14,0}$	1	.	.	.	1	1	.	
$1664_2 = \chi_{14,1}$	1	.	.	.	1	1	.	
$1664_3 = \chi_{14,2}$	1	.	.	.	1	1	.	
$5733_1 = \chi_{15+}$	.	.	3	3	3	3	.	
$2184_1 = \chi_{21,0}$	.	1	.	1	.	.	1	
$2184_2 = \chi_{21,1}$	.	1	.	1	.	.	1	
$2184_3 = \chi_{21,2}$	.	1	.	1	.	.	1	
$11466_1 = \chi_{28+}$	.	.	.	3	3	3	3	
$4096_1 = \chi_{34,0}$	1	1	1	2	1	1	1	
$4096_2 = \chi_{34,1}$	1	1	1	2	1	1	1	
$4096_3 = \chi_{34,2}$	1	1	1	2	1	1	1	
$5096_1 = \chi_{35,0}$	.	.	1	1	1	2	1	
$5096_2 = \chi_{35,1}$	.	.	1	1	1	2	1	
$5096_3 = \chi_{35,2}$	.	.	1	1	1	2	1	

Block 2:	$\varphi_{5,0}$	
$324_1 = \chi_{6,0}$	1	$\varphi_{5,0} = 324_1$
$324_2 = \chi_{6,1}$	1	
$324_3 = \chi_{6,2}$	1	

Block 3:	$\varphi_{6+}$	$\varphi_{16+}$	
$1053_1 = \chi_{7+}$	1	.	$\varphi_{6+} = 1053_1$
$7371_1 = \chi_{22+}$	.	1	$\varphi_{16+} = 7371_1$
$8424_1 = \chi_{25+}$	1	1	

Block 4:	$\varphi_{10,0}$	
$1053_2 = \chi_{12,0}$	1	$\varphi_{10,0} = 1053_2$
$1053_3 = \chi_{12,1}$	1	
$1053_4 = \chi_{12,2}$	1	