$L_3(9).2_3 \pmod 2$

	blocks	defect	matrix
$G:$	1	8	32×3
	2	1	2×1
	$3 = \overline{2}$	1	2×1
	4	0	$1280_1 = \chi_{12+}, \varphi_{5+}$
	5	0	$1280_2 = \chi_{14+}, \varphi_{7+}$
	6	0	$1280_3 = \chi_{16+}, \varphi_{9+}$
	$7 = \overline{6}$	0	$1280_4 = \chi_{17+}, \varphi_{10+}$
	8	0	$1280_5 = \chi_{20+}, \varphi_{13+}$
	$9 = \overline{8}$	0	$1280_6 = \chi_{21+}, \varphi_{14+}$

	blocks	defect	matrix
	10	0	$1280_7 = \chi_{24+}, \varphi_{17+}$
	$11 = \overline{10}$	0	$1280_8 = \chi_{25+}, \varphi_{18+}$
	12	0	$1280_9 = \chi_{28+}, \varphi_{21+}$
	$13 = \overline{12}$	0	$1280_{10} = \chi_{29+}, \varphi_{22+}$
	14	0	$1280_{11} = \chi_{32+}, \varphi_{25+}$
	$15 = \overline{14}$	0	$1280_{12} = \chi_{33+}, \varphi_{26+}$
	16	0	$1280_{13} = \chi_{36+}, \varphi_{29+}$
	$17 = \overline{16}$	0	$1280_{14} = \chi_{37+}, \varphi_{30+}$
	18	4	16×1

Block 1:	$\varphi_{1,0}$	$\varphi_{2,0}$	$\varphi_{35,0}$
$1_1 = \chi_{1,0}$	1	.	.
$1_2 = \chi_{1,1}$	1	.	.
$90_1 = \chi_{2,0}$	.	1	.
$90_2 = \chi_{2,1}$	.	1	.
$91_1 = \chi_{3,0}$	1	1	.
$91_2 = \chi_{3,1}$	1	1	.
$91_3 = \chi_{4,0}$	1	1	.
$91_4 = \chi_{4,1}$	1	1	.
$91_5 = \chi_{5,0}$	1	1	.
$91_6 = \chi_{5,1}$	1	1	.
$182_1 = \chi_{6+}$	2	2	.
$182_2 = \chi_{7+}$	2	2	.
$1456_3 = \chi_{44+}$	.	.	2
$1456_4 = \chi_{45+}$	.	.	2
$729_1 = \chi_{76,0}$	1	.	1
$729_2 = \chi_{76,1}$	1	.	1
$819_1 = \chi_{77,0}$	1	1	1
$819_2 = \chi_{77,1}$	1	1	1
$819_3 = \chi_{78,0}$	1	1	1
$819_4 = \chi_{78,1}$	1	1	1
$819_5 = \chi_{79,0}$	1	1	1
$819_6 = \chi_{79,1}$	1	1	1
$1638_1 = \chi_{80+}$	2	2	2
$1638_2 = \chi_{81+}$	2	2	2
$910_1 = \chi_{84,0}$	2	2	1
$910_2 = \chi_{84,1}$	2	2	1
$1820_1 = \chi_{85+}$	4	4	2
$910_3 = \chi_{87,0}$	2	2	1
$910_4 = \chi_{87,1}$	2	2	1
$910_5 = \chi_{88,0}$	2	2	1
$910_6 = \chi_{88,1}$	2	2	1
$1820_2 = \chi_{89+}$	4	4	2

$$\begin{aligned} \varphi_{1,0} &= 1_1 \\ \varphi_{2,0} &= 90_1 \\ \varphi_{35,0} &= 728_1 \end{aligned}$$

Block 2:	$\varphi_{3,0}$
$640_1 = \chi_{10,0}$	1
$640_2 = \chi_{10,1}$	1

$$\varphi_{3,0} = 640_1$$

Block 3:	$\varphi_{4,0}$
$640_3 = \chi_{11,0}$	1
$640_4 = \chi_{11,1}$	1

$$\varphi_{4,0} = 640_2$$

Block 18:	φ_{33+}
$1456_1 = \chi_{40+}$	1
$1456_2 = \chi_{42+}$	1
$1456_5 = \chi_{48+}$	1
$1456_6 = \chi_{49+}$	1
$1456_7 = \chi_{52+}$	1
$1456_8 = \chi_{53+}$	1
$1456_9 = \chi_{56+}$	1
$1456_{10} = \chi_{57+}$	1
$1456_{11} = \chi_{60+}$	1
$1456_{12} = \chi_{61+}$	1
$1456_{13} = \chi_{64+}$	1
$1456_{14} = \chi_{65+}$	1
$1456_{15} = \chi_{68+}$	1
$1456_{16} = \chi_{69+}$	1
$1456_{17} = \chi_{72+}$	1
$1456_{18} = \chi_{73+}$	1

$$\varphi_{33+} = 1456_1$$